

INVEST IN THE FUTURE



French manufacturer since 1964

# Chargers, Boosters & Starters

Charge & entretien des batteries

Batterieservicegeräte-Katalog

Caricabatterie, Booster & Avviatore

Catálogo de Cargadores

2  
0  
2  
3  
B



CHARGERS

BSU

BOOSTERS

STARTERS

TESTERS

JUMPER CABLES

ACCESSORIES

## A solid manufacturing group

900 people € 125 000 000

C1+  
Credit Rating  
Banque de France

55 000 m<sup>2</sup>  
2 factories



INVEST IN THE FUTURE



French  
manufacturer  
since 1964

## A family company



Nicolas & Bruno  
Bouygues

## 3 catalogues

3 500+ references



Welding, Plasma cutting  
& Induction heating



Car Body Welding  
Systems



Chargers, Boosters  
& Starters

## A worldwide coverage

125 countries



GYS FRANCE  
Laval

GYS GERMANY  
Aachen

GYS U.K.  
Rugby

GYS CHINA  
Shanghai

GYS ITALIA  
Venezia

GYS IBERICA  
Madrid

## CHARGERS

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www.gys.fr



visit with





# CHARGERS

6 - 12 - 16 - 24 - 36 - 48 V

## GYSFLASH

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GYSFLASH LITHIUM	9
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SSM

Save and load settings. Automatic restart in case of power cut.  
Mémorisation des réglages. Redémarrage automatique en cas de coupure électrique.  
Einstellungsspeicherung. Automatisches Starten nach einem Netzausfall.

START STOP

Start/stop Engine : Compatible with Start/Stop vehicles. Compatible véhicules Start/Stop. Geeignet für START-STOP- Fahrzeuge.

CAN BUS

Can Bus ready: compatible with Can Bus Technology, the Gysflash can be connected to the motorcycle 12V socket (cable is optional).

Can bus ready : compatible avec la technologie Can Bus, le Gysflash se branche directement sur la prise 12 V de la moto (câble en option).

Can-Bus Ready: Mit der Can-Bus Technologie kompatibel. Das GYSFLASH wird direkt an den 12V-Anschluss des Motorrads angeschlossen (Kabel optional).

Auto Recovery

Auto Recovery : Recovers deeply discharged (min 2V) and/or sulfated batteries.

Auto Recovery : Récupération des éléments des batteries profondément déchargées (mini 2V) et/ou sulfatées.

Auto Recovery: Wiederherstellung der Zellen bei tiefentladenen bzw. sulfatierten Batterien (min. 2V).

Cold charge

"Cold charge" mode: performance-enhancing charging mode for cold or freezing weather conditions.

Mode "Cold charge": optimisation des performances en cas de temps froid ou de gel.

-Cold Charge--Modus: Leistungsoptimierung bei kaltem Wetter oder bei Frost.

Temperature

Fitted with a highly sensitive sensor, Gysflash automatically adjusts the charge based on ambient temperature.

Équipé d'un capteur haute sensibilité, le Gysflash ajuste automatiquement les paramètres de charge en fonction de la température ambiante.

Ausgestattet mit einem hochempfindlichen Sensor stellt das GYSFLASH automatisch die Ladeparameter der Umgebungstemperatur entsprechend ein.

Power supply mode

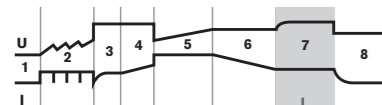
Power supply mode: Optimum floating charge, ideal for use during battery change to protect vehicle memory. Also for when the vehicle is not in use for extended periods or for demonstration use.

Source d'énergie : mode de maintien optimal de l'état de charge. Idéal pour les véhicules en hivernage, de démonstration, ou pour le remplacement de batterie.

Energiequelle: Aufrechterhaltung des Batteriezustands. Ideal für Saison-, Ausstellungsfahrzeuge oder bei Batteriewechsel.

SMART CHARGE 7 / 8 STEP

1. Status analysis
2. Recovery
3. Test desulfation
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Refresh (for "8 step" only)
8. Floating 100%



REFRESH 8 STEP

Rebalancing of the battery cells for greater longevity (not available on all models).  
Rééquilibrage des cellules de la batterie pour plus de longévité (suivant modèle).  
Regenerierung der Batteriezellen für eine längere Lebensdauer (je nach Modell).

CHARGERS  
SMART HF  
INVERTER Pb

BEST SELLER



12V

GYSFLASH 1.12

1 A

GO > 2 V SSM START STOP CAN BUS Auto Recovery

F FLASH Connector



029361

GYSFLASH 4.12 & 4.12S

0.8/4 A

GO > 2 V SSM START STOP CAN BUS Auto Recovery Cold charge Refresh

F FLASH Connector



4.12  
029422

4.12S (110 V)  
069190  
072701  
072817

GYSFLASH 6.12

0.8/6 A

GO > 2 V SSM START STOP CAN BUS Auto Recovery Refresh

F FLASH Connector



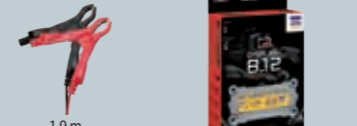
029378

GYSFLASH 8.12

8 A

GO > 2 V SSM START STOP Auto Recovery Refresh

S SAE Connector



029385

GYSFLASH 12.12

12 A

GO > 2 V SSM START STOP Auto Recovery Refresh

S SAE Connector



029392

PATENTS REGISTERED NUMBERS  
002280008 & 002279927  
EUROPEAN TRADEMARK & DESIGN

	50 / 60 Hz	Power	I <sub>charge</sub>	V	Charge	Maintenance	Zz	Ondulation/ Ripple	Charging curve	IP	Weight	Dimensions	L x W x H cm / kg
GYSFLASH 1.12	220-240 V AC	18 W	1 A	12 V	2 > 32 Ah	2 > 100 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	7 steps	0.44 kg	13 x 8 x 3.8 cm	30 x 15.5 x 6 / 0.6
GYSFLASH 4.12	220-240 V AC	70 W	0,8/4 A	12 V	1.2 > 90 Ah	1.2 > 130 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	7 steps	0.69 kg	17 x 9 x 5.1 cm	34.5 x 17.9 x 36.2 / 0.89
GYSFLASH 4.12S	100-127 V AC												
GYSFLASH 6.12	220-240 V AC	90 W	0,8/6 A	12 V	1.2 > 125 Ah	1.2 > 170 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 steps	0.77 kg	19 x 10 x 5.2 cm	36 x 19.5 x 7 / 1
GYSFLASH 8.12	220-240 V AC	130 W	8 A	12 V	15 > 160 Ah	15 > 240 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 steps	0.85 kg	19 x 10 x 5.2 cm	36 x 19.5 x 7 / 1
GYSFLASH 12.12	220-240 V AC	195 W	12 A	12 V	20 > 250 Ah	20 > 330 Ah	<0.4 Ah/month	<100 mV Rms	IUoU	8 steps	1.1 kg	22.1 x 11.1 x 5.8 cm	36.4 x 20 x 6.8 / 1.3

DESIGN  
GYS  
FRANCE  
MADE IN  
GYS CHINA





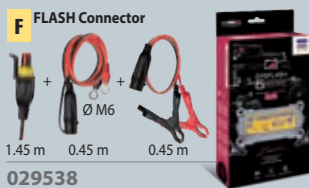
# CHARGERS SMART HF INVERTER Pb



## HERITAGE • 6/12V

GYSFLASH 6 HERITAGE

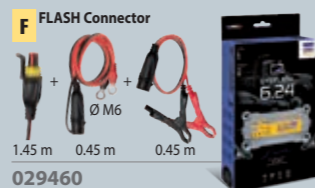
0.8/6A



## 6/12/24V

GYSFLASH 6.24

0.8/6A



GYSFLASH 9.24

9A



## GYSFLASH TECHNOLOGY

### SSM

Save and load settings. Automatic restart in case of power cut.  
Mémorisation des réglages. Redémarrage automatique en cas de coupure électrique.  
Einstellungsspeicherung. Automatisches Starten nach einem Netzausfall.

### START STOP

Start/stop Engine :  
Compatible with Start/Stop vehicles.  
Compatible véhicules Start/Stop.  
Geeignet für START-STOP- Fahrzeuge.

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Can Bus ready: compatible with Can Bus Technology, the Gysflash can be connected to the motorcycle 12V socket (cable is optional).  
Can bus ready : compatible avec la technologie Can Bus, le Gysflash se branche directement sur la prise 12 V de la moto (câble en option).  
Can-Bus Ready: Mit der Can-Bus Technologie kompatibel. Das GYSFLASH wird direkt an den 12V-Anschluss des Motorrads angeschlossen (Kabel optional).

### Auto Recovery

Auto Recovery : Recovers deeply discharged (min 2V) and/or sulfated batteries.  
Auto Recovery : Récupération des éléments des batteries profondément déchargées (mini 2V) et/ou sulfatées.  
Auto Recovery: Wiederherstellung der Zellen bei tiefentladenen bzw. sulfatierten Batterien (min. 2V).

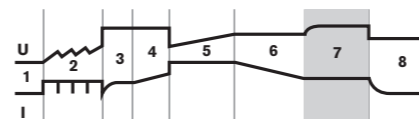
### Temperature Sensor

Fitted with a highly sensitive sensor, Gysflash automatically adjusts the charge based on ambient temperature.  
Équipé d'un capteur haute sensibilité, le Gysflash ajuste automatiquement les paramètres de charge en fonction de la température ambiante.  
Ausgestattet mit einem hochempfindlichen Sensor stellt das GYSFLASH automatisch die Ladeparameter der Umgebungstemperatur entsprechend ein.

## SMART CHARGE 7 STEP / 8 STEP / 8 STEP LiFePO4

### Pb

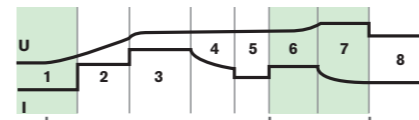
1. Status analysis
2. Recovery
3. Test desulfation
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Refresh (for "8 step" only)
8. Floating 100%



Rebalancing of the battery cells for greater longevity (not available on all models).  
Rééquilibrage des cellules de la batterie pour plus de longévité (suivant modèle).  
Regenerierung der Batteriezellen für eine längere Lebensdauer (je nach Modell).

### LiFePO4 (LFP)

1. UVP Wake up - Status analysis
2. Recovery
3. Fast charge 90%
4. Absorption 95%
5. Test
6. Completion
7. Equalization
8. Floating 100%



UVP Wake up (Under Voltage Protection)  
Battery reactivation when in UVP protection.  
Réactivation de la batterie en protection UVP.  
Reaktivierung der Batterie mit UVP-Schutz.

Equalizing Balancing System  
Balancing of the battery cells.  
Équilibrage des cellules.  
Ausgleich der Batteriezellen.



# LiFePO4



## 12V

GYSFLASH 1.12 Lithium

1A



GYSFLASH 6.12 Lithium

4/6A



Model	Voltage (V AC)	Length (m)	Power (W)	I charge (A)	V Charge	Capacity (Ah)	Maintenance (Ah)	Zz (Ah/month)	Ondulation/Ripple (mV Rms)	Charging curve	Steps	IP	Weight (kg)	Dimensions (L x W x H cm)	Weight (kg)	Dimensions (L x W x H cm / kg)
GYSFLASH 6 HERITAGE	220-240 V AC	2m	90 W	0.8/6 A	6/12 V	1.2 > 125 Ah	1.2 > 170 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 steps	IP 65	0.77 kg	19 x 10 x 5.2 cm	0.77 kg	36.5 x 19.4 x 7 cm / 1
	220-240 V AC	2m	130 W	0.8/6 A	6/12 V	1.2 > 125 Ah	1.2 > 170 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	7 step	IP 65	0.85 kg	19 x 10 x 5.2 cm	0.85 kg	36.5 x 19.5 x 7 cm / 1
GYSFLASH 6.24	220-240 V AC	2m	190 W	0.8/4 A	24 V	1.2 > 100 Ah	1.2 > 140 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	7 step	IP 65	0.85 kg	19 x 10 x 5.2 cm	0.85 kg	36.5 x 19.5 x 7 cm / 1
				9 A	6/12 V	18 > 220 Ah	18 > 300 Ah	<0.4 Ah/month	<100 mV Rms	IUoU	8 step	IP 65	1.1 kg	22.1 x 11.1 x 5.8 cm	1.1 kg	36.5 x 19.5 x 7 cm / 1.3
GYSFLASH 9.24	220-240 V AC	2m	190 W	6 A	24 V	15 > 125 Ah	15 > 170 Ah	<0.4 Ah/month	<100 mV Rms	IUoU	8 step	IP 65	1.1 kg	22.1 x 11.1 x 5.8 cm	1.1 kg	36.5 x 19.5 x 7 cm / 1.3
				9 A	6/12 V	18 > 220 Ah	18 > 300 Ah	<0.4 Ah/month	<100 mV Rms	IUoU	8 step	IP 65	1.1 kg	22.1 x 11.1 x 5.8 cm	1.1 kg	36.5 x 19.5 x 7 cm / 1.3

DESIGN GYS FRANCE MADE IN GYS CHINA

Model	Voltage (V AC)	Length (m)	Power (W)	I charge (A)	V Charge	Capacity (Ah)	Maintenance (Ah)	Zz (Ah/month)	Ondulation/Ripple (mV Rms)	Charging curve	Steps	IP	Weight (kg)	Dimensions (L x W x H cm)	Weight (kg)	Dimensions (L x W x H cm / kg)
GYSFLASH 1.12 Lithium	220-240 V AC	1m	18 W	1 A	12 V	0.5 > 20 Ah	0.5 > 50 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 step	IP 65	0.44 kg	13 x 8 x 3.8 cm	0.44 kg	29.7 x 15 x 5.7 / 0.6
GYSFLASH 6.12 Lithium	220-240 V AC	2m	90 W	4/6 A	12 V	1.2 > 125 Ah	1.2 > 170 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 step	IP 65	0.77 kg	19 x 10 x 5.2 cm	0.77 kg	36.5 x 19.5 x 7 / 1



CHARGERS

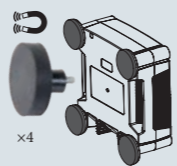
SMART HF INVERTER

Pb / LiFePO4

OPTION

Gysflash 18.12 PL, 30.12 PL, 20.12/24 PL, 10.36/48 PL

Magnetfix 20 026063



x4



INTENSIVE



INTENSIVE



SC SMART COOLING TECHNOLOGY

100% DUST PROOF

SILENT

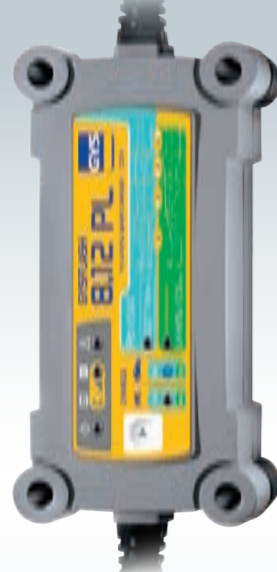
IP 23 INDOOR / OUTDOOR



IP 65 INDOOR / OUTDOOR

SHOCK RESISTANT

NEW 06 2023



12V

GYSFLASH 1.12 PL & 1.12 PL S

1A

GO > 7V SSM START STOP CAN BUS 7 STEP Pb 8 STEP LiFePO4



1.12 PL 026902 027541 1.12 PL S (110 V) 070851 072794 072824

GYSFLASH 8.12 PL

1/4 / 8A

GO > 2V SSM START STOP CAN BUS 7 STEP Pb 8 STEP LiFePO4



069282

GYSFLASH 18.12 PL

7/12 / 18A

GO > 2V

GO > 2V SSM START STOP 8 STEP LiFePO4 7 STEP Pb



026926

GYSFLASH 30.12 PL

7/15 / 30A

GO > 2V SSM START STOP 8 STEP LiFePO4 7 STEP Pb



029668 026070

GYSFLASH 32.12 PL

7/15 / 30A

GO > 2V SSM START STOP 8 STEP LiFePO4 7 STEP Pb SC



2.5 m - 6 mm² 027381

GYSFLASH 20.12/24 PL

7/15 / 20A

GO > 2V SSM START STOP 8 STEP LiFePO4 7 STEP Pb



026049 027558

GYSFLASH 15.24 XTREM

15A

GO > 2V SSM START STOP 7 STEP Pb SC Double insulation



ROBUST & SAFE 2 pts connection 5 m - 4 mm² 025813

Table with 15 columns: DESIGN, GYSFLASH model, Power, Icharge, V, Charge, Maintenance, Ondulation/Ripple, Charging curve, IP, Weight, Dimensions, L x W x H cm / kg.

Table with 15 columns: PATENTS, GYSFLASH model, Power, Icharge, V, Charge, Maintenance, Ondulation/Ripple, Charging curve, IP, Weight, Dimensions, L x W x H cm / kg.

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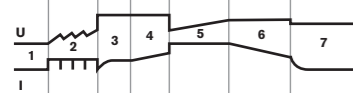
Équipé d'un capteur haute sensibilité, le Gysflash ajuste automatiquement les paramètres de charge en fonction de la température ambiante.

Ausgestattet mit einem hochempfindlichen Sensor stellt das GYSFLASH automatisch die Ladeparameter der Umgebungstemperatur entsprechend ein.

## SMART CHARGE 7 STEP / 8 STEP LiFePO<sub>4</sub>

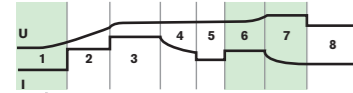
### Pb

1. Status analysis
2. Recovery
3. Test desulfation
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Floating 100%



### LiFePO<sub>4</sub> (LFP) / Li-ion

1. UVP Wake up - Status analysis
2. Recovery
3. Fast charge 90%
4. Absorption 95%
5. Test
6. Completion
7. Equalization
8. Floating 100%



**UVP Wake up (Under Voltage Protection)**  
Battery reactivation when in UVP protection.  
Réactivation de la batterie en protection UVP.  
Reaktivierung der Batterie mit UVP-Schutz.

**Equalizing Balancing System**  
Balancing of the battery cells.  
Équilibrage des cellules.  
Ausgleich der Batteriezellen.



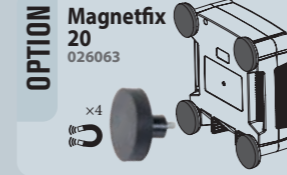
## GYSFLASH Pb / LITHIUM

### CHARGERS

# ELECTRICAL MOBILITY

# Pb/Lithium

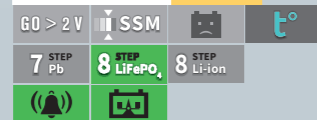
LiFePO<sub>4</sub> / Li-ion / Li-Po / NMC / LCO / MCO / NCA...



## 24 V • ELECTRICAL MOBILITY

### GYSFLASH 6.24 PL

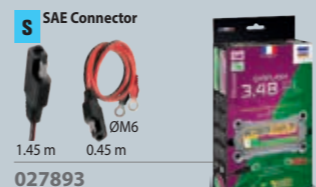
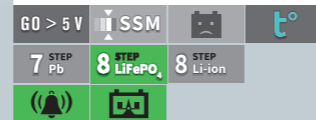
6 A GO > 2 V



027398

### GYSFLASH 3.48 PL

3 A GO > 5 V

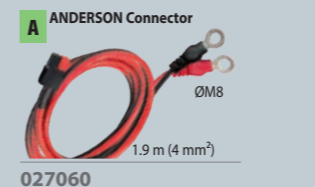


027893

## INDUSTRY / ELECTRICAL MOBILITY • 36 / 48 V

### GYSFLASH 10.36/48 PL

10 A GO > 5 V



027060



DESIGN GYS FRANCE	PATENTS REGISTERED NUMBERS 002280008 & 002279927 EUROPEAN TRADEMARK & DESIGN	50 / 60 Hz	Power	I <sub>charge</sub>	V	n cell			Charge	Maintenance	Z <sub>z</sub>	Ondulation/Ripple	Charging curve	IP	Weight	Dimensions	L x W x H cm / kg	
						Pb	LFP	NMC										
MADE IN GYS CHINA	GYSFLASH 6.24 PL	220-240 V AC	2 m	190 W	6 A	24V	12	8	6	15 > 125 Ah (Pb) 2 > 125 Ah (Li)	15 > 170 Ah (Pb) 2 > 170 Ah (Li)	<0.4 Ah /month	<150 mV Rms	IUoU	7 step (Pb) 8 step (Li)	IP 65	1,1 kg	22.1 x 11.1 x 5.8 cm / 1.4
							6	6	6	6 > 60 Ah 3 > 60 Ah	6 > 85 Ah 3 > 85 Ah	<0.4 Ah /month	<150 mV Rms	IUoU	7 step (Pb) 8 step (Li)	IP 65	1,1 kg	22.1 x 11.1 x 5.8 cm / 1.2
MADE IN FRANCE	GYSFLASH 10.36/48 PL	220-240 V AC	2 m	500 W	10 A	36V	18	12	9	20 > 230 Ah (Pb) 10 > 230 Ah (Li)	20 > 230 Ah (Pb) 10 > 230 Ah (Li)	<0.4 Ah /month	<150 mV Rms	IUoU	7 step (Pb) 8 step (Li)	IP 31	1,85 kg	19 x 19 x 7.3 cm / 2
					8 A	48V	24	15/16	13/14	15 > 160 Ah (Pb) 8 > 160 Ah (Li)	15 > 160 Ah (Pb) 8 > 160 Ah (Li)	<0.4 Ah /month	<150 mV Rms	IUoU	7 step (Pb) 8 step (Li)	IP 31	1,85 kg	19 x 19 x 7.3 cm / 2

## ELECTRICAL MOBILITY

### MOBILITY



### OUTDOOR



### INDUSTRY



### MEDICAL



# GYSFLASH CONNECTORS

A complete solution • Une solution complète • Eine Komplettlösung



## F Flash Connector GYSFLASH ≤ 6A : 1.12 / 4.12 / 6.12 / 6 Heritage / 6.24 / 1.12 Li / 6.12 Li / 1.12 PL

<b>F1 / Clamps</b> L 0.45 m (1.3 mm <sup>2</sup> ) All 12V LEAD 026889	<b>F2 / Charge indicator</b> L 0.56 m (1.3 mm <sup>2</sup> ) All 12V LEAD 029149	<b>F3 / Eyelets</b> M6 L 0.45 m (1.3 mm <sup>2</sup> ) All 12V 029194  M8 L 0.45 m (1.3 mm <sup>2</sup> ) 24V 36V 48V 027626	<b>F4 / Charge indicator eyelets</b> M6 L 0.56 m (1.3 mm <sup>2</sup> ) All 12V LEAD 029200	<b>F5 / Cigarette lighter</b> L 0.45 m (0.82 mm <sup>2</sup> ) 029439	<b>F6 / Cable</b> L 2.50 m (1.3 mm <sup>2</sup> ) All 029057	<b>F7 / Connector MLX</b> L 0.45 m (1.3 mm <sup>2</sup> ) 027589	<b>F8 Adapter S / F - F / S</b> L 0.45 m (1.3 mm <sup>2</sup> ) 027480	<b>F9 Adapter F / A</b> L 0.45 m (1.3 mm <sup>2</sup> ) 025820

## s SAE Connector GYSFLASH < 16A : 8.12 PL / 12.12 / 9.24 / 6.24 / 3.48 PL

<b>S1 / Clamps</b> L 1.50 m (1.3 mm <sup>2</sup> ) All +Showroom Gysflash 1212 027688	<b>S2 / Eyelets</b> M6 L 0.45 m (1.3 mm <sup>2</sup> ) 12V 24V 027466  M8 L 0.45 m (1.3 mm <sup>2</sup> ) 24V 36V 48V 027633  M10 L 0.45 m (1.3 mm <sup>2</sup> ) 36V 48V 027640	<b>S3 / XLR 3 pin</b> L 0.45 m (1.3 mm <sup>2</sup> ) 027428	<b>S4 / T-Bar</b> L 0.45 m (1.3 mm <sup>2</sup> ) 027442	<b>S5 Adapter S / A</b> L 0.45 m (1.3 mm <sup>2</sup> ) 027473	<b>S6 KIT SAE / JACK (max 5 A)</b> L 0.45 m (1.3 mm <sup>2</sup> ) 025646	<b>S7 / Cigarette lighter (max 10 A)</b> Only for 8.12 PL L 0.45 m (1.3 mm <sup>2</sup> ) 077331	<b>S8 / Cable</b> L 2.5 m (4 mm <sup>2</sup> ) 077348

## A ANDERSON Connector GYSFLASH < 40A : 18.12 PL / 30.12 PL / 20.12-24 PL / 10.36-48 PL

<b>A1 / Clamps</b> All L 1.90 m (4 mm <sup>2</sup> ) 026094 L 6 m (4 mm <sup>2</sup> ) 027435	<b>A2 / Eyelets</b> 4 mm <sup>2</sup> M6 L 0.40 m 12V 24V 027657  M8 L 0.40 m 24V 36V 48V 027664  M8 L 1.90 m 24V 36V 48V 027794  M10 L 0.40 m 36V 48V 027671	<b>A3 / Anderson</b> L 1.5 m (4 mm <sup>2</sup> ) 027855

## XTREM CABLES GYSFLASH 15.24 XTREM

<b>2pts/NATO Spiral</b> 5 m 028968	<b>2pts/NATO</b> 5 m - 4 mm <sup>2</sup> 025837	<b>2pts/DIN14690</b> Emergency vehicle 5 m 028777

# SELECT THE RIGHT GYSFLASH CHOISISSEZ VOTRE GYSFLASH • WÄHLEN SIE IHR GYSFLASH AUS

SPECIAL PROJECT - CONTACT US



15

GYSFLASH	6V		12V		24V		36V		48V		MEDICAL SERVICE - LEISURE	MOTORBIKE LIGHT MOBILITY	AUTO - CAMPER VAN - TRUCK	MARINE	INDUS TRY	URBAN

### Pb

1.12																	M								
1.12 PL																		M							
4.12																								M	
6.12																								M	
8.12																								M	
8.12 PL																								M	
12.12																									
18.12 PL																									
30.12 PL																									
6 Heritage	6V	12V																						M	
6.24 PL				24V																				M	
20.12/24 PL				12V 24V																					
6.24	6V	12V	24V										M										M	M	
9.24																								M	M
3/48 PL								48V																	
10.36/48 PL								36V 48V																	

### LiFePO4

1.12 Lithium																								M
1.12 PL																								M
6.12 Lithium																								
8.12 PL																								
18.12 PL																								
30.12 PL																								
6.24 PL									24V															
20.12/24 PL									12V 24V															
3/48 PL																								48V
10.36/48 PL																								36V 48V

### Li-ion

6.24 PL				24V																				
3/48 PL																								48V
10.36/48 PL																								36V 48V

M = maintenance only

GYSFLASH

SMART HF INVERTER CHARGERS



**SPECIAL PROJECT - CONTACT US**

Contact us for special projects. Quick customization :  
CAN BUS / CAN Open / J1939 / NMEA 2000 / RS485 /  
SM BVS / Automation / Relays...

**SC SMART COOLING TECHNOLOGY**

100% DUST PROOF



SILENT

HIGH EFFICIENCY  
Up to 15%  
Energy Saving

93%

EMC class B



**ALU** RUST PROTECTION

ULTRA LIGHTWEIGHT

VIBRATION & SHOCK RESISTANT

-25 / +60°C

**GYSFLASH PL-E TECHNOLOGIES**

**SSM** Save and load settings. Automatic restart in the event of a power cut.

Mémorisation des réglages. Redémarrage automatique en cas de coupure électrique.

Einstellungsspeicherung. Automatisches Starten nach einem Netzausfall.

**Auto Recovery** : Recovers deeply discharged (min 2V) and/or sulfated batteries.

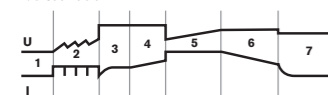
Auto Recovery : Récupération des éléments des batteries profondément déchargées (mini 2V) et/ou sulfatées.

Auto Recovery: Wiederherstellung der Zellen bei tiefentladenen bzw. sulfatierten Batterien (min. 2V).

**SMART CHARGE**

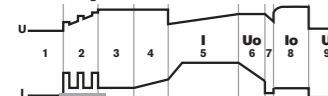
**Pb**

1. Status analysis
2. Recovery
3. Test desulfation
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Floating 100%



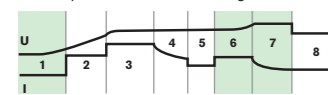
**Pb TRACTION**

1. Status analysis
2. Recovery
3. Sulphation test
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Test Absorption
8. Refresh
9. Floating 100%



**LiFePO4 (LFP) / Li-ion**

1. Status analysis
2. Recovery
3. Fast charge 90%
4. Absorption 95%
5. Test
6. Completion
7. Equalization
8. Floating 100%



**UVP Wake up (Under Voltage Protection)**  
Battery reactivation when in UVP protection.  
Réactivation de la batterie en protection UVP.  
Reaktivierung der Batterie mit UVP-Schutz.

**Equalizing Balancing System**  
Balancing of the battery cells.  
Équilibrage des cellules.  
Ausgleich der Batteriezellen.

**OUTDOOR - LEISURE**



**MOBILITY**



**MARINE**



**AGRI**



**MEDICAL**



**PROFESSIONAL**



**INDUSTRY**



**GYSFLASH ON BOARD**

**CHARGERS ON BOARD**

**Pb** NMC / LCO / MCO / NCA...  
**Lithium** LiFePO4 / Li-ion / Li-Po



**PFC** POWER FACTOR CORRECTION 185V ← 265V



7 cm  
GYSFLASH 18.12 PL-E

8 cm  
GYSFLASH 30.12 PL-E  
GYSFLASH 15.24 PL-E  
GYSFLASH 10.36 PL-E  
GYSFLASH 8.48 PL-E

12V	24V	36V	48V
GYSFLASH 18.12 PL-E	GYSFLASH 15.24 PL-E	GYSFLASH 10.36 PL-E	GYSFLASH 8.48 PL-E
<b>18 A</b>	<b>15 A</b>	<b>10 A</b> COMING SOON	<b>8 A</b> COMING SOON
Pb / LFP 025806	Pb / Traction / LFP / Li-ion 025943	Pb / Traction / LFP / Li-ion 025950	Pb / Traction / LFP / Li-ion 025950

**OPEN & CONNECT**

cables not included

4 pts connector included  
3G  
0.75 > 2.5 mm<sup>2</sup>



3 pts connector included  
max 2.5 mm<sup>2</sup>  
or AWG14

**INCLUDED**



Ø 5.5 mm  
GYSFLASH 18.12 PL-E, 15.24 PL-E, 10.36 PL-E, 8.48 PL-E  
Fixing Kit

**INDUSTRIAL CHARGERS** COMING SOON

PB / Traction / LFP / Li-ion  
CAN BUS / CAN OPEN / J1939 / NMEA 2000 / RS485 / SM BVS

**GYSPOWER 24V : 15 A - 30 A - 50 A - 100 A**  
**GYSPOWER 36V : 10 A - 20 A - 30 A**  
**GYSPOWER 48V : 8 A - 25 A - 50 A**

MADE IN FRANCE	50 / 60 Hz	Pb	LFP	START MINI	I max	25°C	40°C	50°C	60°C	Zz	Ondulation/ Ripple	IP	Weight	Dimensions (cm / kg)
						@ 100%	@ 100%	@ 100%	@ 100%					
GYSFLASH 18.12 PL-E	230V	12V	300W	2V	18A	18A	16A	14A	12.5A	<0.4 Ah /month	<150 mV Rms	20	1.3 kg	21.5 x 17.5 x 7 cm / 1.7
GYSFLASH 30.12 PL-E	230V	12V	500W	2V	30A	30A	27A	23A	18A	<0.4 Ah /month	<150 mV Rms	20	1.6 kg	21.5 x 8 x 17.5 cm
GYSFLASH 15.24 PL-E	230V	24V	500W	2V	15A	15A	13.5A	11.5A	9A	<0.4 Ah /month	<150 mV Rms	20	1.6 kg	21.5 x 8 x 17.5 cm
GYSFLASH 10.36 PL-E	230V	36V	500W	2V	10A	10A	9A	7.5A	6A	<0.4 Ah /month	<150 mV Rms	20	1.6 kg	21.5 x 8 x 17.5 cm
GYSFLASH 8.48 PL-E	230V	48V	500W	2V	8A	8A	7A	6A	5A	<0.4 Ah /month	<150 mV Rms	20	1.6 kg	21.5 x 8 x 17.5 cm

**ENERGYS**

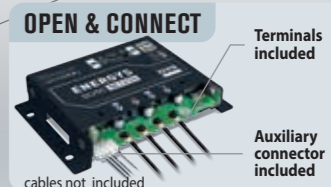
**ON BOARD POWER INVERTER**  
DC > DC REVERSIBLE

**Pb** Liquid / Gel, AGM  
**Lithium** LiFePO4

**NEW**  
09 / 2023



**ENERGYS DC/DC 50.12 / 24**  
**50 A**

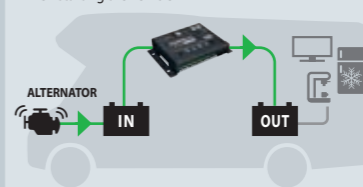


072534

ENERGYS DC/DC 50.12/24	Bat. input		Bat. output		Solar input		EFFICIENCY	Zz	mm	g
	U	I max	U	I max	U <sub>mppt</sub>	I max				
	12/24V	50A	12/24V	50A	9-30V	20A	98%	<5 mA	135 x 35 x 200	570

**EURO 6 STANDARD**

when starting the vehicle



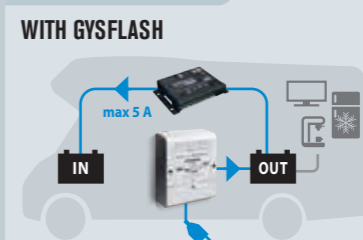
**MORE OUTPUT POWER**

PARALLEL CHARGING



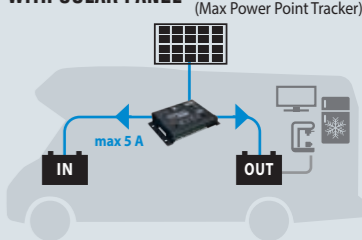
**DOUBLE CHARGING**

vehicle stopped



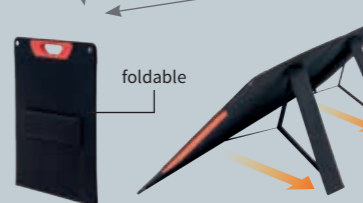
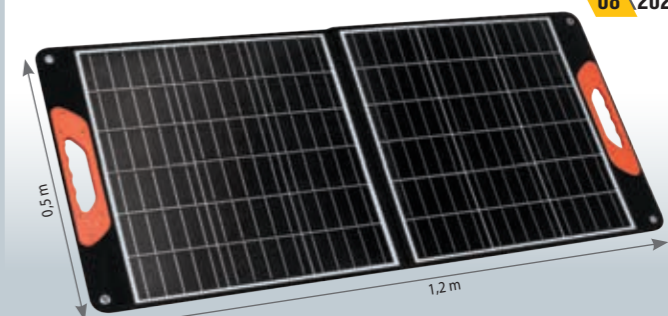
**WITH SOLAR PANEL**

MPPT integrated (Max Power Point Tracker)



**SOLAR PANEL**

**NEW**  
08 / 2023



**SOLAR PANEL**

monocrystalline - ETFE quality  
18V - 100 W max

OUTPUT  
USB 1 : 5V/3A  
USB 2 : 5V/3A ; 9V/2A ; 12V/1.5A  
Type C : 5V/3A ; 9V/2A ; 12V/1.5A  
Jack : 18V/5.6A max

compatible with Energys DC/DC 50.12/24  
079410

**SC SMART COOLING TECHNOLOGY**

100% DUST PROOF

SILENT

**SMART 9 STEP**

**Pb**

1. Status analysis
2. Recovery
3. Sulphation test
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Refresh
8. Floating 100%

**LiFePO<sub>4</sub>** **7 steps**

1. Status analysis
2. Recovery
3. Fast charge 90%
4. Absorption 95%
5. Completion
6. Equalization
7. Floating 100%

**CHARGE**

**Pb AUTOMOTIVE**

- ✓ GEL
- ✓ AGM
- ✓ LIQUID
- ✓ EASY
- ✓ EXPERT

**Pb TRACTION**

- ✓ GEL
- ✓ LIQUID

**LITHIUM READY**

- ✓ LFP/LiFePO<sub>4</sub>

**BSU**

**DIAG +** U2 ADJUSTABLE

**SHOWROOM**

**CHANGE BATTERY**

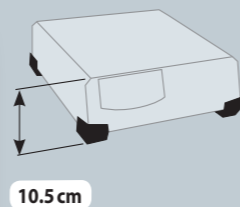
**POWER SUPPLY** U2 & I2 max ADJUSTABLE

**GYSFLASH PRO**

**CHARGERS**  
**BSU & CHARGERS**  
BATTERY SUPPORT UNIT

YouTube

PLAYLIST  
GYSFLASH PRO



**PFC POWER FACTOR CORRECTION**

**FV FLEXIBLE VOLTAGE**  
85 V — 265 V



**22 languages**

GB DK CZ  
FR FI PL  
DE TR SK  
NL HR UA  
ES GR  
PT HU  
IT CN simplified  
RU CN traditional  
SE JP



**12 V**

<p><b>GYSFLASH 30.12</b> <b>30 A</b> PFC SC 2,5 m - 6 mm<sup>2</sup> 029224</p>	<p><b>GYSFLASH 50.12 FV</b> <b>50 A</b> PFC FV SC 2,5 m - 10 mm<sup>2</sup> 029071 026056</p>	<p><b>GYSFLASH 100.12</b> <b>100 A</b> PFC SC 2,5 m - 16 mm<sup>2</sup> 029071 029453 5 m - 16 mm<sup>2</sup> 029415 029002</p>
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**6 / 12 / 24 V**

<p><b>GYSFLASH 30.24</b> <b>30 A</b> PFC SC 2,5 m - 6 mm<sup>2</sup> 029231</p>	<p><b>GYSFLASH 50.24</b> <b>50 A</b> PFC SC 2,5 m - 10 mm<sup>2</sup> 029095 5 m - 16 mm<sup>2</sup> 029620</p>
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**12 V**

**GYSFLASH 102.12**  
**100 A**  
PFC SC  
5 m - 16 mm<sup>2</sup>  
029606



MADE IN FRANCE	50 / 60 Hz	L	mm <sup>2</sup>	START MINI	I <sub>max</sub>	25°C @ 100%	40°C @ 100%	TRACTION BATTERIES	SHOWROOM CONNECT	IP	kg	↑ ↓	L × W × H cm / kg			
<b>GYSFLASH 30.12</b>	185 > 265V	2,5 m	6	12V	540W	2V	30 A	30 A	30 A	10 · 400 Ah	—	0 M6	21	4.9 kg	25.5 × 10.5 × 23 cm	41.4 × 25 × 31.1 / 4.9
<b>GYSFLASH 50.12 FV</b>	85 > 265V	2,5 m	10	12V	850W	2V	50 A	50 A	40 A	10 · 600 Ah	—	0 M6	21	6.6 kg	30 × 10.5 × 29 cm	40 × 24 × 30 / 6.6
<b>GYSFLASH 100.12</b>	185 > 265V	2,5 m 5 m	16	12V	1600W	2V	100 A	75 A	66 A	20 · 1200 Ah	—	0 M6	21	7.4 kg 8.3 kg	32 × 10.5 × 29.2 cm	31 × 25 × 41 / 7.4
<b>GYSFLASH 30.24</b>	185 > 265V	2,5 m	6	6V 12V 24V	540 W	2V	30 A 30 A 15 A	30 A 30 A 15 A	30 A	10 · 400 Ah 10 · 200 Ah	•	0 M6	21	4.9 kg	25.5 × 10.5 × 23 cm	41.5 × 24.3 × 31 / 4.9
<b>GYSFLASH 50.24</b>	185 > 265V	2,5 m 5 m	10 16	6 V 12V 24V	1600 W	2V	50 A 50 A 45 A	50 A 40 A 35 A	45 A	10 · 600 Ah	•	0 M6	21	6.6 kg 7.9 kg	30 × 10.5 × 29.2 cm	41 × 24.5 × 31 / 6.6
<b>GYSFLASH 102.12</b>	185 > 265V	5 m	16	12V	1600W	2V	100 A	75 A	66 A	20 · 1200 Ah	—	0 M6	21	9.1 kg	12 × 34.5 × 29.5 cm	24 × 40 × 30 / 9.1



CHARGERS

# BSU & CHARGERS

BATTERY SUPPORT UNIT

**CNT**  
Connected  
Technology  
**FULL CUSTOMIZABLE**  
p.26

**PFC** POWER FACTOR CORRECTION

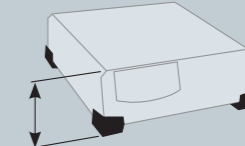
**FV** FLEXIBLE VOLTAGE

**16 V** COMPATIBLE WITH 16V BATTERIES

85 V ← 265 V

**22 languages**

- GB RU GR CN simplified
- FR SE CZ CN traditional
- DE DK PL JP
- NL FI SK UA
- ES TR
- PT HR
- IT HU



**10.5 cm**  
51.12 CNT  
101.12 CNT

**13 cm**  
121.12 CNT FV  
125.12 CNT FV  
101.24 CNT FV  
51.48 CNT FV

**12 V (factory preset)**  
**16/24 V READY**

Use custom configuration tool (detail p.26)



### 12 V

GYSFLASH 51.12 CNT FV

**50 A**

PFC FV SC CNT

2,5 m - 10 mm<sup>2</sup>  
068179



GYSFLASH 101.12 CNT

**100 A**

PFC SC CNT

2,5 m - 16 mm<sup>2</sup>  
025790  
5 m - 16 mm<sup>2</sup>  
026988



GYSFLASH 121.12 CNT FV

**120 A**

PFC FV CNT

5 m - 25 mm<sup>2</sup>  
026971  
027756  
071605



GYSFLASH 125.12 CNT FV

**120 A** 120 A @ 100%

PFC FV CNT

5 m - 25 mm<sup>2</sup>  
028883



### 6 / 12 / 16 / 24 V

GYSFLASH 101.24 CNT FV

**100 A**

PFC FV CNT

16 V  
5 m - 25 mm<sup>2</sup>  
025967



### 6 / 12 / 16 / 24 / 36 / 48 V

GYSFLASH 51.48 CNT FV

**50 A**

PFC FV CNT

16 V  
2,5 m - 16 mm<sup>2</sup>  
072015



**SC**

**SMART COOLING TECHNOLOGY**

**100% DUST PROOF**

**SILENT**

**SMART 9 STEP**

**Pb**

- Status analysis
- Recovery
- Sulphation test
- Desulfation
- Fast charge 80%
- Absorption
- Test Absorption
- Refresh
- Floating 100%

**LiFePO<sub>4</sub>**

- Status analysis
- UVP Wake Up
- Recovery
- Fast charge 90%
- Absorption 95%
- Test
- Completion
- Equalization
- Floating 100%

UVP Wake up (Under Voltage Protection). Battery reactivation when in UVP protection

Equalizing Balancing System 100% Perfect charge

**CHARGE** (150 CURVES CAPACITY)

**Pb AUTOMOTIVE**

- GEL
- AGM
- LIQUID
- EASY
- NORMAL
- BOOST
- RECOVERY+
- and more

**Pb TRACTION**

- GEL
- LIQUID
- and more

**LITHIUM**

- LFP/LiFePO<sub>4</sub>
- LI-ION STD
- LFP CELL+
- LI-ION CELL+
- and more

**BSU** (10 CURVES CAPACITY)

**DIAG +** U2 ADJUSTABLE

**SHOWROOM**

**CHANGE BATTERY**

**POWER SUPPLY** U2 & I2 max ADJUSTABLE

**AND MORE**

**TEST**

- VOLTAGE
- START UP
- ALTERNATOR

**STARTER**

- START

**CNT**

**Connected Modules & Technology** p.26

MADE IN FRANCE	50/60 Hz	mm <sup>2</sup>	START MINI	I max	25°C @100%	40°C @100%	TRACTION BATTERIES	SHOWROOM CONNECT	IP	kg	L x W x H cm / kg				
<b>GYSFLASH 51.12 CNT FV</b>	85 > 265 V	2,5 m	10	12V / 24V	850 W	1 V	50 A / 25 A	50 A / 25 A	40 A / 20 A	10 > 600 Ah / 10 > 300 Ah	•	0 M6	41	6.8 kg	30 x 10.5 x 29 cm / 38.5 x 22 x 40.5 / 6.8
<b>GYSFLASH 101.12 CNT</b>	185 > 265 V	2,5 m / 5 m	16	12V	1600 W	1 V	100 A	75 A	66 A	20 > 1200 Ah	•	0 M6	21	7.5 kg / 8.3 kg	32 x 10.5 x 29.2 cm / 35.5 x 23 x 35 / 8.6
<b>GYSFLASH 121.12 CNT FV</b>	85 > 265 V	5 m	25	12V	2000 W	1 V	110 V : 100 A / 230 V : 120 A	75 A / 110 A	55 A / 90 A	20 > 1200 Ah	•	0 M6	20	10.4 kg	31 x 13 x 26 cm / 35.5 x 23 x 35 / 10.4
<b>GYSFLASH 125.12 CNT FV</b>	85 > 265 V	5 m	25	12V	2000 W	1 V	110 V : 100 A / 230 V : 120 A	100 A / 120 A	77 A / 116 A	20 > 1200 Ah	•	0 M6	40	10.9 kg	31 x 13 x 26 cm / 38.5 x 22 x 40.5 / 10.9
<b>GYSFLASH 101.24 CNT FV</b>	85 > 265 V	5 m	25	6/12V / 24V	3200 W	1 V	110 V : 100 A / 230 V : 100 A	72 A / 89 A	47 A / 68 A	20 > 1200 Ah	•	0 M6	20	10.6 kg	31 x 13 x 26 cm / 38.5 x 22 x 40.5 / 10.6
<b>GYSFLASH 51.48 CNT FV</b>	85 > 265 V	2,5 m	16	6/12/24V / 36/48V	3200 W	1 V	110 V : 50 A / 230 V : 50 A	44 A / 49 A	21 A / 39 A	10 > 600 Ah	•	0 M6	20	9 kg	31 x 13 x 26 cm / 41 x 22 x 38.5 / 9

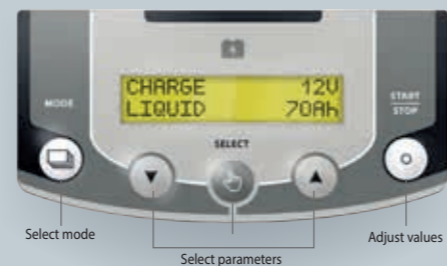


CHARGERS

# BSU & CHARGERS

BATTERY SUPPORT UNIT

**CNT**  
Connected  
Technology  
**FULL  
CUSTOMIZABLE**  
p.26



22 languages

- GB NL IT DK HR PL UA CN simplified
- FR ES RU FI GR SK CN traditional
- DE PT SE TR CZ HU JP

**PFC** POWER FACTOR CORRECTION

**16 V** COMPATIBLE WITH 16V BATTERIES

**FV** FLEXIBLE VOLTAGE  
85 V ← 265 V

## TRACTION



**NEW**



12 V

GYSFLASH 103.12 CNT

100 A

PFC SC CNT

5 m - 16 mm<sup>2</sup>  
072008



GYSFLASH 123.12 CNT FV

120 A

PFC FV CNT

5 m - 25 mm<sup>2</sup>  
025677



6 / 12 / 16 / 24V

GYSFLASH 103.24 CNT FV

100 A

PFC FV CNT 16 V

5 m - 25 mm<sup>2</sup>  
025684



6 / 12 / 16 / 24 / 36 / 48V

GYSFLASH 25.48 CNT FV

25 A

PFC SC FV CNT 16 V

2,5 m - 10 mm<sup>2</sup>  
075962



GYSFLASH 53.48 CNT FV

50 A

PFC FV CNT 16 V

2,5 m - 16 mm<sup>2</sup>  
025998



SC

**SMART COOLING TECHNOLOGY**

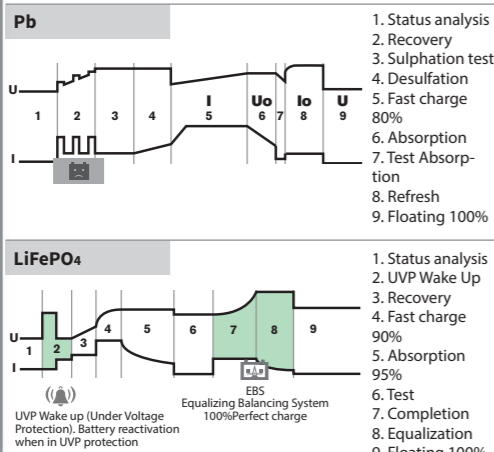
100% DUST PROOF



SILENT



### SMART 9 STEP



### CHARGE (150 CURVES CAPACITY)

- Pb AUTOMOTIVE**
- ✓ GEL
  - ✓ AGM
  - ✓ LIQUID
  - ✓ EASY
  - ✓ NORMAL
  - ✓ BOOST
  - ✓ RECOVERY+ and more
- Pb TRACTION**
- ✓ GEL
  - ✓ LIQUID
  - ✓ and more
- LITHIUM**
- ✓ LFP/LiFePO<sub>4</sub>
  - ✓ LI-ION STD
  - ✓ LFP CELL+
  - ✓ LI-ION CELL+ and more

### BSU (10 CURVES CAPACITY)

- DIAG +**
- SHOWROOM**
- CHANGE BATTERY**
- POWER SUPPLY**
- AND MORE**
- ✓ TEST**
- ✓ VOLTAGE
  - ✓ START UP
  - ✓ ALTERNATOR
- ✓ STARTER**
- ✓ START

### CNT

- Connected Modules & Technology** p.26
- 

MADE IN FRANCE	50 / 60 Hz	mm <sup>2</sup>	START MINI	I max	25°C @100%	40°C @100%	TRACTION BATTERIES	SHOWROOM CONNECT	IP	kg	L x W x H cm / kg					
GYSFLASH 103.12 CNT	185 > 265V	5 m	16	12V	1600W	1V	100 A	75 A	66 A	20 > 1200Ah	—	0 M6	21	8,2 kg	34,5 × 29,5 × 12 cm	41 × 38,5 × 22 / 9,2
GYSFLASH 123.12 CNT FV	85 > 265V	5 m	25	12V	2000 W	1V	110 V : 100 A 230 V : 120 A	100 A 120 A	85 A 120 A	20 > 1200Ah	•	0 M6	30	11 kg	34 × 25 × 15 cm	35,5 × 23,5 × 35 / 11
GYSFLASH 103.24 CNT FV	85 > 265V	5 m	25	6/12V 24V	3200 W	1V	110 V : 100 A 230 V : 100 A	100 A 100 A	68 A 79 A	20 > 1200Ah	•	0 M6	30	11 kg	34 × 25 × 15 cm	35 × 23 × 37 / 11
GYSFLASH 25.48 CNT FV	100 > 127V 220 > 240V	2,5 m	10	6/12/24V 36/48V	800 W 800 W 1600 W	1V	110 V : 12 A 230 V : 25 A	19 A 23,5 A 12 A 22 A	13 A 10 A 20 A	10 > 300Ah	•	0 M6	21	7,8 kg	12 × 34,5 × 29,5 cm	40,5 × 38 × 22,5 / 8,8
GYSFLASH 53.48 CNT FV	85 > 265V	2,5 m	16	6/12/24V 36/48V	3200 W	1V	110 V : 50 A 230 V : 50 A	50 A 50 A	28 A 41 A	10 > 600Ah	•	0 M6	30	9,5 kg	34 × 25 × 15 cm	40 × 39 × 23 / 9,5



CHARGERS

# BSU & CHARGERS

BATTERY SUPPORT UNIT

**CNT**  
Connected  
Technology  
**FULL  
CUSTOMIZABLE**  
p.26

**PFC** POWER FACTOR CORRECTION

**FV** FLEXIBLE VOLTAGE  
85 V ← 265 V  
110 V 230 V  
GYSFLASH 148.12 CNT FV

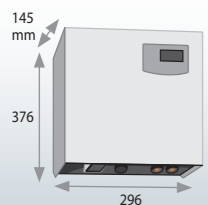
**FV** FLEXIBLE VOLTAGE  
320V ← 520V  
400 V 480 V  
GYSFLASH 158.12 CNT FV

**19 languages**  
GB IT HR  
FR RU GR  
DE SE CZ  
NL DK PL  
ES FI SK  
PT TR UA  
HU



## INDUSTRY / PRODUCTION

**NEW**

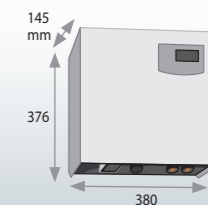


**IP 54**  
DUST & SPLASH PROTECTION

**FAN LESS TECHNOLOGY**

**NATURAL CONVECTION**

**NEW**



12 V



GYSFLASH 148.12 CNT FV

**145 A**

1 ~

**PFC SC FV CNT**

069916

GYSFLASH 158.12 CNT FV

**150 A**

3 ~

**SC FV CNT**

069909

**SC**

**SMART COOLING TECHNOLOGY**

100% DUST PROOF

**SILENT**

**SMART 9 STEP**

**Pb**

- Status analysis
- Recovery
- Sulphation test
- Desulfation
- Fast charge 80%
- Absorption
- Test Absorption
- Refresh
- Recovery
- UVP Wake Up
- Recovery 90%
- Absorption 95%
- Test
- Completion
- Equalization
- Floating 100%

**LiFePO4**

- Status analysis
- UVP Wake Up
- Recovery
- Fast charge 90%
- Absorption 95%
- Test
- Completion
- Equalization
- Floating 100%

UVP Wake up (Under Voltage Protection). Battery reactivation when in UVP protection

Equalizing Balancing System 100% Perfect charge

**CHARGE (150 CURVES CAPACITY)**

**Pb AUTOMOTIVE**

- ✓ GEL
- ✓ AGM
- ✓ LIQUID
- ✓ EASY
- ✓ NORMAL
- ✓ BOOST
- ✓ RECOVERY+ and more

**Pb TRACTION**

- ✓ GEL
- ✓ LIQUID
- ✓ and more

**LITHIUM**

- ✓ LFP/LiFePO4
- ✓ LI-ION STD
- ✓ LFP CELL+
- ✓ LI-ION CELL+ and more

**BSU (10 CURVES CAPACITY)**

**DIAG +**

U2 ADJUSTABLE

**POWER SUPPLY**

U2 & I2 max ADJUSTABLE

**AND MORE**

- ✓ **TEST**
- ✓ VOLTAGE
- ✓ START UP
- ✓ ALTERNATOR
- ✓ **STARTER**
- ✓ START

**CNT Connected Modules & Technology** p.26

**I/O PLC connection**

MADE IN FRANCE	50/60Hz	L	mm²	START MINI	I max	25°C @ 100%	40°C @ 100%	60°C @ 100%	TRACTION BATTERIES	SHOWROOM CONNECT	IP	Weight	Dimensions			
GYSFLASH 148.12 CNT FV	85 > 265V	5 m	25	12V	2500W	1V	110V : 100 A 230V : 145 A	100 A 134 A	90 A 116 A	62 A 88 A	20 > 1200 Ah 20 > 1800 Ah	•	Ø M6	54	9.4 kg	37.6 × 14.5 × 29.6 cm
GYSFLASH 158.12 CNT FV	320 > 520V	5 m	25	12V	2500W	1V	150 A	140 A	120 A	100 A	20 > 1800Ah	•	Ø M6	54	10.3 kg	37.6 × 14.5 × 38 cm

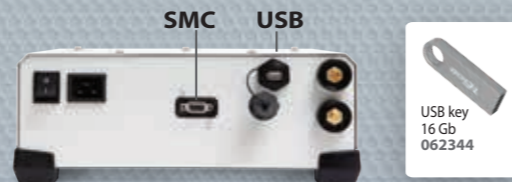


CHARGERS

# BSU & CHARGERS

BATTERY SUPPORT UNIT

**CNT**  
Connected  
Technology



USB key  
16 Gb  
062344



YouTube  
PLAYLIST  
CNT TECHNOLOGY



Contact us for special projects.  
Quick Customization:  
Modes, Curves, parameters...

SOFTWARE UPDATE LIFETIME EVOLUTION



TRACEABILITY CHARGING DATA



DESIGN YOUR CHARGING CURVE PRODUCT CONFIGURATION (CONFIG CURVE / LOGISTIC / CHARGING CURVE)

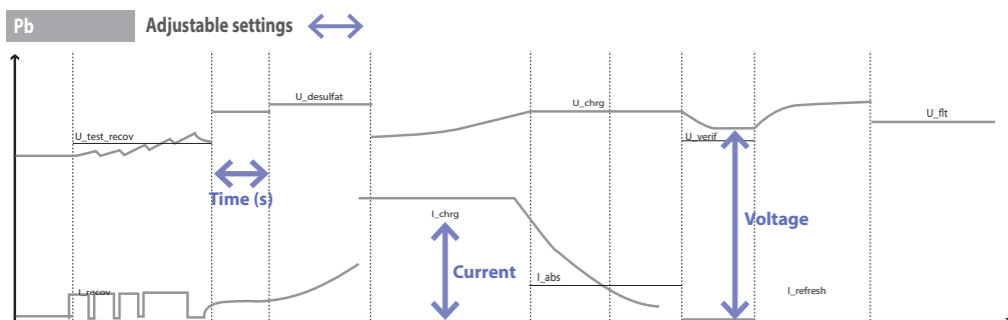
CNT MANAGER (gys.fr)

- GYSFLASH parameters
- Custom curves
- Multi products management
- Import/export configurations
- ...



Full customisation

Create your online specific configuration



Adjust your product to your charging needs

	LEAD-ACID - PB	Lithium - LFP	Lithium - Li-ion std
<b>VOLTAGE CELL (20% - 100%)</b>	2.0V/cell – 2.15 V/cell	3.2V/cell – 3.6 V/cell	3.5 V/cell – 4.2 V/cell
<b>CHARGING VOLTAGE</b>	2.33 V/cell – 2.47 V/cell	3.6 V/cell	4.2 V/cell
<b>Gysflash xx.12 CNT</b>	1 S* – 6 S	1 S – 4 S	1 S – 3 S
<b>Gysflash xx.24 CNT</b>	1 S – 12 S	1 S – 8 S	1 S – 7 S
<b>Gysflash xx.48 CNT</b>	1 S – 24 S	1 S – 16 S	1 S – 14 S

\*S = Battery serial cells

Download a GYS specific configuration

Configuration file (gys.fr)	Applications	CHARGE MODE										POWER MODE				MISCELLANEOUS				
		Pb-CHARGE					Li-CHARGE			TRACTION		SHOWROOM	CHANGE BAT.	STARTER MODE	POWER SUPPLY	Li-SUPPLY/LFP	Li-SUPPLY/Li-ion	TESTER MODE		
		normal	AGM	liquid	Easy	Boost	Recovery + Ca / Ca recov	LFP/LiFePO4	Li-ion std	LFP cell+	Li-ion cell+								liquid	gel
1_gys_original.gfc	Initial configuration of the charger	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2_car_extended.gfc	Extensive features for garages	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3_showroom_only.gfc	Simplified version for dealerships and demonstration vehicles												✓							
4_pro_lithium.gfc	Professional of lithium battery											✓	✓	✓	✓		✓	✓	✓	
5_traction.gfc	Forklift truck, electric pallet truck, stacker...																		✓	✓
6_full_version.gfc	Full version	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

MODULES EXTREME MODULARITY

SINGLE MODULE



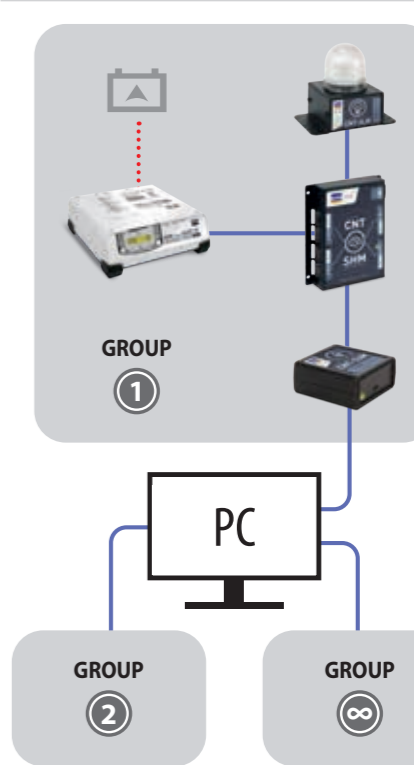
MULTI MODULES



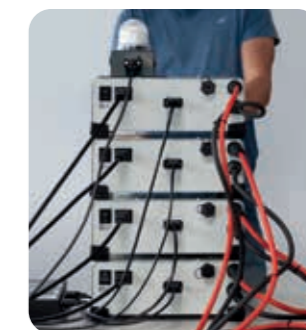
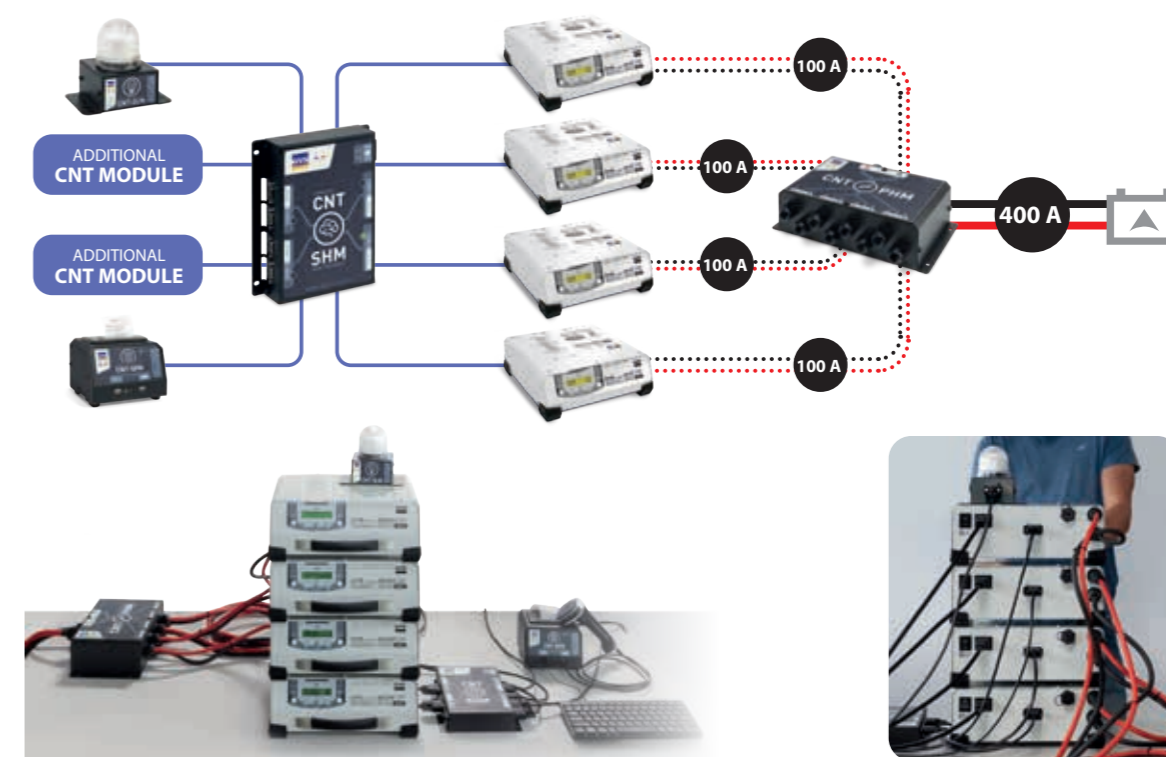
ADVANCED



MULTI MODULES GROUPS



PARALLEL CHARGING EXAMPLE : GYSFLASH 101.12 CNT (X4)





CHARGERS

# BSU & CHARGERS

BATTERY SUPPORT UNIT

**CNT**  
Connected  
Technology

COMING SOON

LoRa<sup>®</sup> Sigfox CAN BUS and More...



**NEW** CNT-SCM  
Smart Can Module



Scratch fixation



Magnetic fixation

### SMART COMMUNICATION

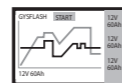
### INCLUDED

#### CNT-SUM

Smart USB Module  
025974

- USB micro A
- ↳ 6.9 × 6.8 × 2.9 cm / ▲ 85g
- ☞ 28.5 × 11 × 11.5 cm / ▲ 380g

Computer /  
Diag System



SMC Cable  
1 m  
056596

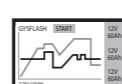


#### CNT-SWM

Smart Wireless Module  
070837

- Bluetooth
- Wifi **COMING SOON**
- ↳ 6.9 × 6.8 × 2.9 cm / ▲ 85g
- ☞ 27.6 × 9.6 × 9.6 cm / ▲ 440g

Computer /  
Diag System



SMC Cable  
1 m  
056596



### LIGHT & SOUND

### INCLUDED

#### CNT-SLM

Smart Light Module  
027978

- Pb charge
- Lithium charge
- OK
- Error
- 65dB

- ↳ 12.6 × 14.6 × 9.3 cm / ▲ 560g
- ☞ 23 × 17 × 13 cm / ▲ 840g



SMC Cable  
1 m  
056596



### PRINT & SCAN

### INCLUDED

#### CNT-SPM

Smart Printer Module  
026919

- ↳ 14 × 10.5 × 13.3 cm / ▲ 1.4 kg
- ☞ 23 × 17 × 13 cm / ▲ 1.9 kg



SMC Cable  
1 m  
056596



Standard roller x2  
57mm x 7.5 m, Ø 25 mm  
056633



### OPTIONS

Support  
Barcode scanner  
025745



USB Barcode scanner  
1D/2D  
027718



USB Keyboard

AZERTY 027725  
QWERTY 027770

QWERTZ compatibility



### SMC CABLE

1 m 056596    3 m 025691



YouTube  
PLAYLIST  
CNT TECHNOLOGY

### SMART HUB MODULE

### INCLUDED

#### CNT-SHM

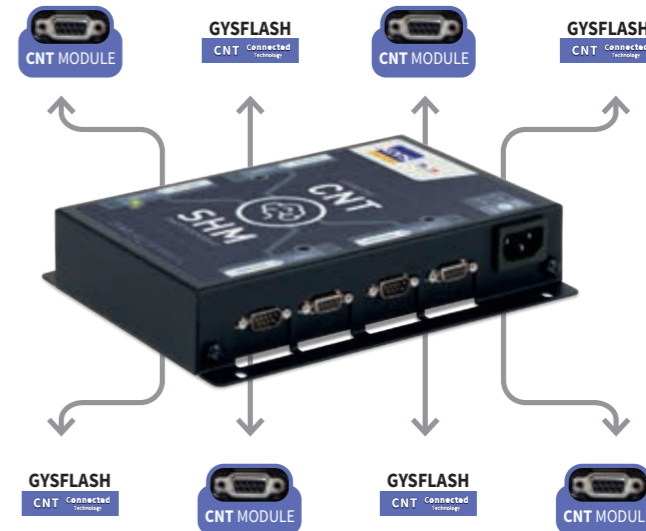
Smart Hub Module  
025981

- ↳ 22 × 18 × 4.5 cm / ▲ 1 kg
- ☞ 16.4 × 13.4 × 24 cm / ▲ 1.7 kg

SMC Cable  
1 m  
056596



### UP TO 4 MODULES + 4 GYSFLASH



### POWER HUB MODULE

#### CNT-PHM

Power Hub Module  
056589

- ↳ 31.7 × 24.5 × 9 cm / ▲ 2.7 kg
- ☞ 32 × 29 × 13.5 cm / ▲ 3.2 kg

### 4 GYSFLASH IN

Ø Cables: 10 → 25 mm<sup>2</sup>

- GYSFLASH CNT Connected
- GYSFLASH CNT Connected
- GYSFLASH CNT Connected
- GYSFLASH CNT Connected

**INCLUDED**  
M6 KIT



OUT Ø Cables: 25 → 70 mm<sup>2</sup>





CHARGERS

# STANDARD ACCESSORIES



### ANDERSON CABLES

for GYSFLASH	Anderson/Clamps	Anderson/NATO	Anderson<->Rema 160 A	Anderson<->Anderson 175 A	Anderson<->Texas
	2.5 m - 16 mm <sup>2</sup> 056503 5 m - 16 mm <sup>2</sup> 054615 8 m - 16 mm <sup>2</sup> 056572	5 m - 16 mm <sup>2</sup> 026810 	5 m - 16 mm <sup>2</sup> 069091	5 m - 16 mm <sup>2</sup> 069107	0.2 m - 16 mm <sup>2</sup> 055902 1 m - 16 mm <sup>2</sup> 028791
30.12 / 50.12 100.12 / 101.12 102.12 / 32-12 PL	✓	✓	—	—	✓
30.24 / 50.24	✓	✓	✓	✓	✓
53.48	✓	✓	✓	✓	—



### TEXAS CABLES

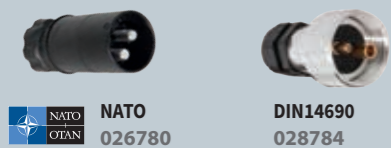
for GYSFLASH	Texas/Clamps	Texas/Rema 160 A	Texas/Anderson 175 A	Texas/NATO
	2.5 m - 25 mm <sup>2</sup> 028876 5 m - 25 mm <sup>2</sup> 027886	5 m - 16 mm <sup>2</sup> 025714	5 m - 25 mm <sup>2</sup> 025721	5 m - 25 mm <sup>2</sup> 025707 10 m - 25 mm <sup>2</sup> 056626 
101.24 / 121.12 123.12 / 103.24 125.12	✓	✓	✓	✓

### PARALLEL CABLES KIT

072954

= Anderson/Cable lugs M6 x2 16 mm<sup>2</sup> 1 m + Cable lugs/Cable lugs M6 x2 (1 red + 1 black) 35 mm<sup>2</sup> 5 m + Texas/Cable lugs M6 x2 25 mm<sup>2</sup> 1 m + M6 KIT Ø16 (x4) Ø25 (x4) Ø35 (x4) + SMC Cable - 1 m

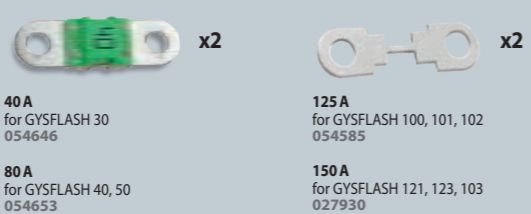
### CONNECTORS



NATO 026780

DIN14690 028784

### INTERNAL FUSES



40 A for GYSFLASH 30 054646

80 A for GYSFLASH 40, 50 054653

125 A for GYSFLASH 100, 101, 102 054585

150 A for GYSFLASH 121, 123, 103 027930

### EXTERNAL FUSES



6.3 A GYSFLASH 30 054578

10 A GYSFLASH 40, 50, 100, 101, 102 056527

### SUPPORTS

Wall support - Tablette Wandhalterung 055513



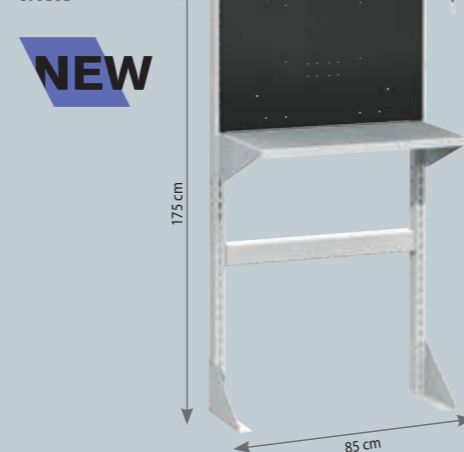
↓ 21 x 43 x 57 cm / 3.9 kg  
↔ 36 x 43 x 20 cm / 3.3 kg

Heavy-duty case Valise de chantier Hartschalenkoffer 060432



Battery charger Support chargeur Ladeständer 079595

**NEW**



175 cm

85 cm

Wall support for GYSFLASH

32.12 PL, 102.12, 123.12, 103.12, 103.24, 15.24 XTREM, 25.48, 53.48

INCLUDED Fixation



OPTION Magnetfix 50 029637



### CONFIGURATION (Trolley - Chariot - Fahrwagen)



▲▲▲ VERTICAL ▲▲▲  
▲▲▲ HORIZONTAL ▲▲▲

ALL GYSFLASH - COMPATIBILITY -

Trolley - Chariot Fahrwagen 028890



OPTION SLM/SPM support 028906



OPTION Cable support 052284



### GYSFLASH CNT PACKS

	101.12 CNT	121.12 CNT	CNT-SPM + roller + support	Barcode Scanner + support	Trolley	CNT SLM	CNT SHM	CNT PHM	Parallel cables kit
pack GYSFLASH CNT 1 068117	✓	—	✓	✓	✓	—	—	—	—
pack GYSFLASH CNT 2 068124	✓	—	✓	✓	✓	—	—	—	—
pack GYSFLASH CNT 3 068131	—	✓	✓	✓	✓	—	—	—	—
pack GYSFLASH CNT 4 068148	—	✓	✓	✓	✓	—	—	—	—
<b>NEW</b> pack GYSFLASH CNT 5 072978	✓ x2	—	✓	✓	✓	✓	✓	✓	✓
<b>NEW</b> pack GYSFLASH CNT 6 074972	✓ x2	—	✓	✓	✓	✓	✓	✓	✓
<b>NEW</b> pack Parallel Charging 072961	—	—	—	—	—	—	✓	✓	✓
<b>NEW</b> pack GYSFLASH PRO 1 079908	—	—	✓	✓	✓	✓	✓	—	—
<b>NEW</b> pack GYSFLASH PRO 2 079915	—	—	✓	✓	✓	✓	✓	—	—





# CHARGERS

## ARTIC

IP 65

WATER PROTECTION  
ARTIC 1500, 4000 & 8000

CHARGERS ONLY



### SSM

Save and load settings.  
Automatic restart in case of power cut.

Mémoire des réglages.  
Redémarrage automatique en cas de coupure électrique.

Einstellungsspeicherung.  
Automatisches Starten nach einem Netzausfall.

### START STOP

Start/stop Engine :  
Compatible with Start/Stop vehicles.

Compatible véhicules Start/Stop.  
Geeignet für START-STOP-Fahrzeuge.

### Cold Charge

"Cold charge" mode:  
performance-enhancing charging mode for cold or freezing weather conditions.

Mode "Cold charge":  
optimisation des performances en cas de temps froid ou de gel.

-Cold Charge--Modus:  
Leistungsoptimierung bei kaltem Wetter oder bei Frost.



## AUTOMATIC SMART HF INVERTER

REGULATED  
IUoU  
FAST CHARGE

**ARTIC 800**  
**12V 0.8A** GO > 7V  
SSM  
029569  
029682



**ARTIC 1500**  
**12V 1.5A** GO > 7V  
SSM  
029576  
029699



**ARTIC 4000**  
**6/12V 4/1-4A** GO > 2V (6V)  
GO > 7V (12V)  
SSM START STOP Cold Charge  
029583  
029705



**ARTIC 8000**  
**2/8A** 12V GO > 7V  
SSM START STOP Cold Charge  
029590  
029712



## ENERGY

PATENTS REGISTERED NUMBERS  
001652090-0001  
EUROPEAN TRADEMARK & DESIGN



## 12V • TRADITIONAL W

**ENERGY 124**  
**3A**  
SSM  
023215



**ENERGY 126**  
**4A**  
SSM  
023222  
025165



Fuse X10  
10A 054530  
15A 054493

## TCB

PATENTS REGISTERED NUMBERS  
001652090-0001  
EUROPEAN TRADEMARK & DESIGN



## 12V • AUTOMATIC WU

**TCB 60**  
**2/4A** GO > 3.5V  
SSM START STOP  
023253  
025189



**TCB 90**  
**2/5.5A** GO > 3.5V  
SSM START STOP  
023260  
025202



**TCB 120**  
**3.5/7A** GO > 3.5V  
SSM START STOP  
023284  
025240



### INCLUDED

all ARTIC

Eyelets /  
Cillets /  
Ösen  
30 cm  
026872



Clamps /  
Pincers /  
Klemmen  
35 cm  
026865



	50/60 Hz	Power	CHARGE			Reg	Polarity protection	Cold Charge	SSM	Full security	Start/Stop engine	Fuse	CHARGER + TESTER	CONTROL	L x W x H cm / kg	Weight
			V	A	Efficace / RMS											
<b>ARTIC 800</b>	100-240V	15W	12V	0,8 A	—	—	—	—	—	—	—	—	—	6 × 15,1 × 25,5 / 0,43	0,43 kg	
<b>ARTIC 1500</b>	220-240V	27W	12V	1,5 A	—	—	—	—	—	—	—	—	—	25,7 × 15,1 × 6 / 0,5	0,5 kg	
<b>ARTIC 4000</b>	220-240V	75W	6V 12V	4 A 1 A / 4 A	—	2	•	•	•	•	•	OK	—	24,9 × 15,1 × 6 / 0,8	0,78 kg	
<b>ARTIC 8000</b>	220-240V	130W	12V	2/8 A	—	2	•	•	•	•	•	OK	—	34,1 × 17,7 × 7,3 / 1,1	1,13 kg	
<b>ENERGY 124</b>	220-240V	70W	12V	3 A	4,5 A	—	—	—	—	—	10A	—	—	16,6 × 11,6 × 22,5 / 1,9	1,9 kg	
<b>ENERGY 126</b>	220-240V	90W	12V	4 A	6 A	—	—	—	—	—	10A	—	—	16,6 × 11,8 × 22,5 / 2	2 kg	
<b>TCB 60 automatic</b>	220-240V	85W	12V	2-4 A	6 A	2	•	—	•	—	10A	OK	OK	12,7 × 12 × 30,2 / 2,5	2,5 kg	
<b>TCB 90 automatic</b>	220-240V	120W	12V	2-5,5 A	8 A	2	•	—	•	—	15A	OK	OK	17,2 × 12 × 30,2 / 3,2	3,2 kg	
<b>TCB 120 automatic</b>	220-240V	150W	12V	3,5-7 A	10,5 A	2	•	—	•	—	15A	OK	OK	17,9 × 12,3 × 30,4 / 3,2	3,2 kg	

RECOMMENDATION	6V		12V		24V		6V											
	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah					
<b>Maintenance</b>																		
<b>ARTIC 800</b>				1,6 • 25 Ah		1,6 Ah •												
<b>ARTIC 1500</b>						3 Ah •		> 40 Ah		3 Ah • 100 Ah								
<b>ARTIC 4000</b>						2 Ah •		> 70 Ah		2 Ah • 130 Ah								
<b>ARTIC 8000</b>						4 Ah •				> 180 Ah		4 Ah • 240 Ah						
<b>ENERGY 124</b>										10 • 45 Ah								
<b>ENERGY 126</b>										15 • 60 Ah								
<b>TCB 60</b>										10 Ah •								
<b>TCB 90</b>												15 • 90 Ah						
<b>TCB 120</b>													20 • 120 Ah					



CT

# CHARGERS



**CT 160**  
**9 A**  
 SSM  
 1.5 m - 1.5 mm<sup>2</sup> → 40 A  
 024106  
 025325



**CT 210**  
**12 A**  
 SSM  
 1.5 m - 2.5 mm<sup>2</sup> → 40 A  
 024113  
 025349

12/24 V • MANUAL W

CA



Protection for on-board electronics



**CA 150**  
**10 A**  
 SSM  
 1.5 m - 2.5 mm<sup>2</sup> → 40 A  
 024434



**CA 360**  
**25 A**  
 SSM  
 2 m - 6 mm<sup>2</sup> → 60 A  
 023185

12/24 V • AUTOMATIC W2

## MULTICHARGE



6 charging speeds

**MULTICHARGE CT 48**  
**32 A**  
 SSM  
 026087

12/24/36/48 V • MANUAL W

## WATTMATIC



Protection for on-board electronics



**WATTMATIC 100**  
**5 A** GO > 3.5 V  
 SSM START STOP  
 024823  
 025417  
 1.5 m - 1.5 mm<sup>2</sup> → 40 A



**WATTMATIC 140**  
**9 A** GO > 3.5 V  
 SSM START STOP  
 025608  
 025622  
 1.5 m - 2.5 mm<sup>2</sup> → 40 A



**WATTMATIC 170**  
**10 A** GO > 3.5 V  
 SSM START STOP  
 025615  
 025639  
 1.8 m - 2.5 mm<sup>2</sup> → 40 A

6/12 V • AUTOMATIC WUoU



Fuse x10

10A WATTMATIC 100 054530

15A CT 160, WATTMATIC 140 054493

20A CT 210, WATTMATIC 150 & 170 054509

25A CA 150, WATTMATIC 180 054516

40A CT 48 054646

50A CA 360 054622

	Input	Output	Power	CHARGE				Eff. / RMS	Reg	Fuse	L x W x H cm / kg	Weight
				Average / Moyen (EN 60335)			Reg					
				Reg 1	Reg 2	Reg 3						
<b>CT 160</b>	230V, 50/60 Hz	12V/24V	190W	12V > 7A 24V > 3A	9A (boost) 5A (boost)	—	13,5A 7,5A	2	15A	30.3 x 20.7 x 13.9 / 3.9	3,9 kg	
<b>CT 210</b>	230V, 50/60 Hz	12V/24V	260W	12V > 8A 24V > 4A	12A (boost) 6A (boost)	—	18A 9A	2	20A	33.4 x 22.5 x 14.4 / 5.3	5,2 kg	
<b>MULTICHARGE CT 48</b>	230V, 50/60 Hz	12/24/36/48V	1200W	12V > 20,8A 24V > 20,1A 36V > 19,6A 48V > 15,5A	32,4A 31,8A 30,4A (boost) 18,7A (24,3A boost)	—	31A 29A 29A 28A	6	40A	40.5 x 34 x 24 / 15.8	15,5 kg	
<b>CA 150</b>	230V, 50/60 Hz	12/24V	500W	8A	10A (boost)	—	18A	2	25A	32.8 x 25.5 x 14.6 / 6.5	6 kg	
<b>CA 360</b>	230V, 50/60 Hz	12/24V	920W	7A	15A (boost1) 25A (boost2)	—	37A	3	50A	43 x 30 x 23 / 14	14 kg	
<b>WATTMATIC 100</b>	230V, 50 Hz	6/12V	170W	3A	5A	—	11.4A	2	10A	26.9 x 24.3 x 12.8 / 3.7	3.8 kg	
<b>WATTMATIC 140</b>	230V, 50 Hz	6/12V	230W	5A	9A (boost)	—	16.5A	2	15A	33.9 x 22.2 x 13.4 / 4.8	4.8 kg	
<b>WATTMATIC 170</b>	230V, 50 Hz	6/12V	280W	6.5A	10A (boost)	—	18.8A	2	20A	33.9 x 22.2 x 13.6 / 5	5 kg	

RECOMMENDATION	6V												12V												24V													
	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah
<b>CT 160</b>													12 V : 25 > 160 Ah - 24 V : 15 > 90 Ah																									
<b>CT 210</b>													12 V : 35 > 210 Ah - 24 V : 20 > 100 Ah																									
<b>MULTICHARGE CT 48</b>													12, 24, 36 V : 90 > 450 Ah - 48 V : 70 > 360 Ah																									
<b>CA 150</b>													35 > 150 Ah																									
<b>CA 360</b>													40 > 350 Ah																									
<b>WATTMATIC 100</b>													15 > 100 Ah																									
<b>WATTMATIC 140</b>													20 > 150 Ah																									
<b>WATTMATIC 170</b>													25 > 180 Ah																									



35

CT / CA / WATTMATIC CHARGERS



BATIUM



SELF START MEMORY



AUTO DETECT

BATTERY VOLTAGE DETECTION



ALL BATTERIES



Microprocessor Control



On-board electronics  
Over voltage



Reverse polarity  
No sparks



YouTube  
PLAYLIST  
BATIUM

# CHARGERS

AUTOMATIC, SMART & FAST



**BATIUM 7.12**  
**7A** GO > 2V  
SSM START STOP V AUTO DETECT

1.5 m - 1.5 mm<sup>2</sup> → 40 A

024496

024557



**BATIUM 15.12**

**15A** GO > 0.5V  
SSM START STOP V AUTO DETECT  
SOS RECOVERY

1.5 m - 2.5 mm<sup>2</sup> → 40 A

024519

024632



6/12V IUoU



**BATIUM 7.24**  
**7A** GO > 2V  
SSM START STOP V AUTO DETECT

1.5 m - 1.5 mm<sup>2</sup> → 40 A

024502

024625



**BATIUM 15.24**

**15A** GO > 0.5V  
SSM START STOP V AUTO DETECT  
SOS RECOVERY

1.5 m - 2.5 mm<sup>2</sup> → 40 A

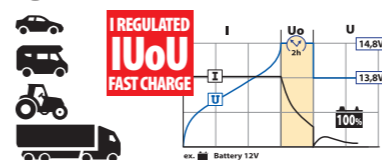
024526

024588

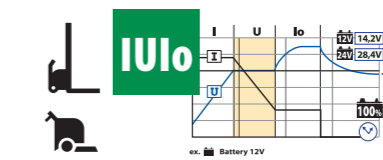


6/12/24V IUoU

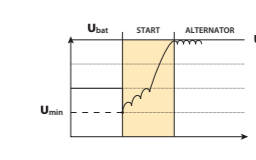
I REGULATED FAST CHARGE



TRACTION BATTERIES CHARGE



TEST



**BATIUM 25.24 X**

**25A** GO > 0.5V  
SSM START STOP V AUTO DETECT  
SOS RECOVERY

2 m - 6 mm<sup>2</sup> → 60 A

024830

6/12/24V



IUoU

Specific charge  
Traction batteries



Fuse x10

15A  
BATIUM 7/12 & 7/24  
054493

30A  
BATIUM 15/12 & 15/24  
054523

RECOMMENDATION	6V											12V											24V															
	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah
BATIUM 7/12												15 · 130 Ah																										
BATIUM 7/24												15 · 130 Ah																										
BATIUM 15/12												35 · 225 Ah																										
BATIUM 15/24												35 · 225 Ah																										
BATIUM 25/24 X												35 · 350 Ah																										

MADE IN FRANCE	50/60 Hz	Reg	CHARGE								Fuse	L x W x H cm / kg	SOS RECOVERY
			RMS / Efficace	Average / Moyen (EN 60335)				boost	Sulfated batteries				
				Reg 1	Reg 2	Reg 3	boost						
BATIUM 7.12	230V	105W	6/12V	2	11A	3A	—	—	7A	15A	13.5 x 36 x 21 / 4.6	4.6 kg	—
BATIUM 15.12	230V	225W	6/12V	3	22A	7A	10A	—	15A	30A	36.2 x 21.2 x 14 / 5.7	5.6 kg	•
BATIUM 7.24	230V	210W	6/12/24V	2	11A	3A	—	—	7A	15A	34.8 x 21 x 14.1 / 5.4	5.4 kg	—
BATIUM 15.24	230V	450W	6/12/24V	3	22A	7A	10A	—	15A	30A	36.2 x 21 x 14.3 / 7.1	7.1 kg	•
BATIUM 25.24X	230V	1150W	6/12/24V	3	37A	7A	15A	25A	—	—	42 x 28 x 24.5 / 13.5	13.4 kg	•



**GYS**  
INVEST IN THE FUTURE



# CHARGERS & STARTERS

12 - 24 V

## TRADITIONAL

START	40
NEOSTART	41

## AUTOMATIC

STARTIUM	42
----------	----

## BATTERY SUPPORT UNIT

DIAGSTARTIUM	43
STARTFLASH	44



**CHARGERS & STARTERS  
AUTOMATIC**



**3 in 1**

- AUTOMATIC CHARGE**  
= BATTUM
- AUTOMATIC START**
- TEST ALTERNATOR**

**TIMER**

**UNIVERSAL MODE** **AUTO SELECTION**

**SULFATED BATTERIES**

**START STOP** **ALL BATTERIES**

**GO** >1V

**FULL PROTECTION**

- On-board electronics
- Over voltage
- No sparks



**CHARGERS & STARTERS  
AUTOMATIC & BSU**  
BATTERY SUPPORT UNIT

**BSU Battery Support Unit**

**POWER SUPPLY**  
**DIAG+ 60A**  
Voltage adjustable 12 V · 15 V

**BATTERY EXPERT**



**12/24V**

**STARTIUM 330E**

**25 A**

1,9 m - 10 mm<sup>2</sup> → 500 A

026469

**STARTIUM 480E**

**40 A**

1,9 m - 16 mm<sup>2</sup> → 600 A

026483

☎ : 0255878

**STARTIUM 680E**

**45 A**

2,2 m - 25 mm<sup>2</sup> → 600 A

026490

☎ : 0255878

**STARTIUM 980E**

**50 A**

2,5 m - 35 mm<sup>2</sup> → 600 A

026506



Disconnectable

**DIAG STARTIUM 60-12**

**60 A**

2,2 m - 25 mm<sup>2</sup> → 600 A

026513

**DIAG STARTIUM 60-24**

**60 A**

2,2 m - 25 mm<sup>2</sup> → 600 A

026520

☎ : 025592

MADE IN FRANCE	I <sub>1</sub>	CHARGE	START	CHARGE		START		BSU	FUSE	LxWxH cm / kg	LxWxH cm / kg	CCA I (EN) START						
				min · max	RMS / Efficace	Average / Moyen (EN 60335)	Reg						Boost	Automatic	1V/C	0V/C	AUTO START	
<b>STARTIUM 330E</b>	230V	16 A	0,8	6,5	12V	20 · 370 Ah	40 A	25 A	4	—	•	12V : 165 A	270 A	—	100 A	26 x 26 x 47 / 15,5	28 x 28 x 47 / 16	500 A
					24V	20 · 300 Ah	—	—	•	24V : 130 A	210 A							
<b>STARTIUM 480E</b>	230V	16 A	1,7	9	12V	20 · 600 Ah	65 A	30 A	4	40 A	•	12V : 280 A	390 A	—	200 A	34 x 30 x 64 / 20,5	64 x 37 x 31 / 29	750 A
					24V	20 · 450 Ah	—	—	•	24V : 210 A	290 A							
<b>STARTIUM 680E</b>	230V	16 A	2	10	12V	20 · 750 Ah	75 A	30 A	4	45 A	•	12V : 380 A	550 A	—	200 A	34 x 30 x 64 / 20,5	65 x 37 x 31 / 31	900 A
					24V	20 · 525 Ah	—	—	•	24V : 270 A	380 A							
<b>STARTIUM 980E</b>	230V	16 A	2	12	12V	20 · 900 Ah	80 A	40 A	4	50 A	•	12V : 500 A	720 A	—	250 A	34 x 30 x 80 / 30	65 x 37 x 32 / 36	1400 A
					24V	20 · 525 Ah	—	—	•	24V : 400 A	560 A							
<b>DIAG STARTIUM 60-12</b>	230V	16 A	2	10	12V	20 · 900 Ah	95 A	60 A	4	—	•	12V : 310 A	440 A	•	200 A	35 x 35 x 72 / 30,5	80 x 37 x 35 / 36	900 A
					6V	20 · 900 Ah	65 A	40 A	—	—	—							
<b>DIAG STARTIUM 60-24</b>	230V	16 A	2	10	12V	20 · 900 Ah	95 A	60 A	4	—	•	12V : 300 A	430 A	•	200 A	35 x 35 x 72 / 30,5	80 x 37 x 35 / 36	900 A
					24V	20 · 525 Ah	65 A	40 A	•	24V : 280 A	410 A							

RECOMMENDATION	Fuse x2		Capacity (Ah)												
	100 A	250 A	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah
<b>STARTIUM 330E</b>	•	•													
<b>STARTIUM 480E</b>	•	•													
<b>STARTIUM 680E</b>	•	•													
<b>STARTIUM 980E</b>	•	•													
<b>DIAG STARTIUM 60-12</b>	•	•													
<b>DIAG STARTIUM 60-24</b>	•	•													



STARTFLASH

CHARGERS & STARTERS

# AUTOMATIC & BSU

CNT Connected Technology

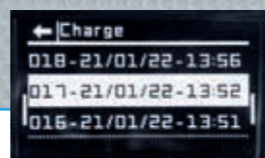
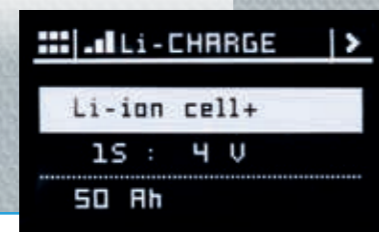
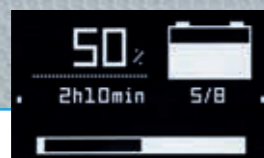
BATTERY SUPPORT UNIT

SPECIAL PROJECTS

Contact us for special projects.  
Quick Customization:  
Modes, Curves, parameters...

22 languages

- GB RU GR CN simplified
- FR SE CZ CN traditional
- DE DK PL JP
- NL FI SK
- ES TR UA
- PT HR
- IT HU



## 4 in 1

### AUTOMATIC CHARGE

Pb AUTOMOTIVE

- ✓ GEL
- ✓ AGM
- ✓ LIQUID
- ✓ EASY
- ✓ EXPERT
- ✓ NORMAL
- ✓ BOOST
- ✓ RECOVERY+

Pb TRACTION

- ✓ GEL
- ✓ LIQUID

LITHIUM READY

- ✓ LFP/LiFePO<sub>4</sub>
- ✓ LI-ION STD
- ✓ LFP CELL+
- ✓ LI-ION CELL+

### BSU

DIAG +



SHOWROOM



CHANGE BATTERY



POWER SUPPLY



### AUTOMATIC STARTER

✓ START

### TEST

- ✓ VOLTAGE
- ✓ START UP
- ✓ ALTERNATOR

FULL PROTECTION

- On-board electronics
- Over voltage
- No sparks

UNIVERSAL MODE AUTO SELECTION

SULFATED BATTERIES

START STOP ALL BATTERIES

GO >1V

PFC POWER FACTOR CORRECTION

185 V ← 265 V

100 V 200 V

1 WORLD PREMIERE

45

STARTFLASH

CHARGERS & STARTERS

## NEW



### 6/12/24V

### STARTFLASH 120.24 CNT

## 2 > 300 A

5 m - 35 mm<sup>2</sup> > 700 A

073616

OPTION



Trolley 074965



Texas/Clamps  
2.5 m - 25 mm<sup>2</sup> 028876  
5 m - 25 mm<sup>2</sup> 027886



Texas/Rema 160 A  
5 m - 16 mm<sup>2</sup> 025714



Texas/Anderson 175 A  
5 m - 25 mm<sup>2</sup> 025721



Texas/NATO  
5 m - 25 mm<sup>2</sup> 025707  
10 m - 25 mm<sup>2</sup> 056626

### CNT Connected Technology

SOFTWARE UPDATE



UPDATE STARTFLASH EVOLUTIONS

CUSTOMIZATION



UPDATE CUSTOM CONFIGURATION

CNT MANAGER  
• STARTFLASH parameters  
• Custom curves  
• Multi products management  
• Import/export configurations  
...

TRACEABILITY

EXPORT DATA CAPABILITIES



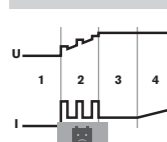
DATA  
Start date  
Curve name  
Rated voltage  
Battery capacity  
Initial battery state  
Charge duration  
Total duration  
Final battery state  
Identification and more ...

Connected Modules & Technology p.26



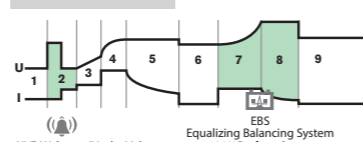
### SMART 9 STEP

Pb



1. Status analysis
2. Recovery
3. Sulfation test
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Test Absorption
8. Refresh
9. Floating 100%

LiFePO<sub>4</sub>



1. Status analysis
2. UVP Wake Up
3. Recovery
4. Fast charge 90%
5. Absorption 95%
6. Test
7. Completion
8. Equalization
9. Floating 100%

UVP Wake up (Under Voltage Protection), Battery reactivation when in UVP protection

EBS Equalizing Balancing System 100% Perfect charge



MADE IN FRANCE	50/60 Hz	CHARGE	START MINI	CHARGE			TRACTION BATTERIES	START			IP	LxWxH cm / kg	LxWxH cm / kg		
				I <sub>max</sub>	25°C @100%	40°C @100%		1V/C	0V/C	AUTO START					
STARTFLASH 120.24 CNT	85 > 265V	6/12/24V	3500W	2V	110V : 100 A	75 A	55 A	•	6/12/24V	150 A	150 A	•	20	49 x 37.5 x 30.5 / 14	41.5 x 32.5 x 25.5 / 18.5
					230V : 120 A	110 A	90 A		6V :	300 A	300 A				
									12V :	300 A	300 A				



# BOOSTERS

6 - 12 - 24 V

## Pb inside

GYSPACK	48
STARTPACK	52
ENERGYSTATION	55

## LITHIUM inside

NOMAD POWER	58
-------------	----

## SUPER CAPACITOR inside

STARTRONIC	60
GYSCAP	61





# BOOSTERS Pb/LEAD INSIDE

**POWER SUPPLY  
12V DC**



FOR GYSPACK 660/750/800/700/900

Fuse x2 200 A 054547 300 A 054561



OPTION MEMORY AUTO SAVE CABLE OBD 1,5 m 054202 Fuse 7,5A



SPIRAL TECHNOLOGY



SPIRAL TECHNOLOGY



**EnerSys** TPPL TECHNOLOGY Thin Plate Pure Lead  
**PREMIUM QUALITY BATTERIES**

New handle design



12 V **28 Ah** INSIDE HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK 660**  
**1 900 A** 640 A 1V/C  
1.3 m - 25 mm<sup>2</sup> → 600 A  
027862  
027992



INCLUDED GYSPACK 660

**CHARGER**  
Power in 100-240 V/out 12 V  
50/60 Hz  
027992  
025929



12 V **28 Ah** SPIRAL INSIDE HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK 750**  
**2 500 A** 750 A 1V/C  
1.3 m - 25 mm<sup>2</sup> → 600 A  
026179  
026353



INCLUDED GYSPACK 750

**CHARGER**  
Power in 110-240 V/out 12 V  
50/60 Hz  
054684  
054691



12 V **28 Ah** SPIRAL INSIDE HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK PRO 800**  
**2 500 A** 700 A 1V/C  
1.8 m - 25 mm<sup>2</sup> → 600 A  
068759  
072107

INCLUDED GYSPACK PRO 800

**CHARGER**  
Power in 110-240 V/out 12 V  
50/60 Hz  
054684  
054691



12 V **16 Ah** INSIDE HOBBIES OCCASIONAL PRO INTENSIVE

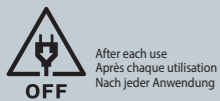
**GYSPACK PRO 700**  
**1 800 A** 640 A 1V/C  
1.4 m - 25 mm<sup>2</sup> → 600 A  
027077  
027947

**INTEGRATED CHARGER**  
7 STEP

12 V **30 Ah** INSIDE HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK PRO 900**  
**3 100 A** 830 A 1V/C  
1.8 m - 35 mm<sup>2</sup> → 600 A  
027084  
027954

**INTEGRATED CHARGER**  
7 STEP



DESIGN GYS FRANCE

MADE IN GYS CHINA

MADE IN FRANCE

Model	Capacity (Ah)	Voltage (V)	START			TEST OK	CHARGER INSIDE	EXTERNAL Charge 230V	Protection		Power out		Fuse	Fuse	LxWxH cm	LxWxH cm / kg
			1V/C	Cranking CC	Peak Battery				ON/OFF	Memory	12V DC	12V DC				
GYSPACK 660	28 Ah	12V	640 A	1200 A	1900 A	•	—	110-240 V	•	•	↻ 12V DC	—	1 × 200 A	35 x 19 x 40	39 x 23 x 45 / 13.5	
GYSPACK 750	28 Ah	12V	750 A	1450 A	2500 A	•	—	110-240 V	•	•	↻ 12V DC	—	2 × 200 A	35 x 19 x 40	39 x 23 x 45 / 13.5	
GYSPACK PRO 800	28 Ah	12V	700 A	1320 A	2500 A	•	—	110-240 V	•	•	↻ 12V DC	10 A	2 × 200 A	31 x 19 x 35	32 x 23 x 37 / 18.4	
GYSPACK PRO 700	16 Ah	12V	640 A	1200 A	1800 A	•	•	220-240 V	•	•	↻ 12V DC	10 A	1 × 200 A	33 x 15 x 32	35 x 24 x 36 / 12	
GYSPACK PRO 900	30 Ah	12V	830 A	1700 A	3100 A	•	•	220-240 V	•	•	↻ 12V DC	10 A	1 × 300 A	33 x 15 x 32	35 x 24 x 36 / 16	

Model	RECOMMENDATION															
	6V	12V	24V	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah
GYSPACK 660	•	•	•													
GYSPACK 750	•	•	•													
GYSPACK PRO 800	•	•	•													
GYSPACK PRO 700	•	•	•													
GYSPACK PRO 900	•	•	•													





STARTPACK

BOOSTERS

Pb/LEAD INSIDE



YouTube

PLAYLIST STARTPACK



SMART STARTER MANAGEMENT SYSTEM

FULL PROTECTION

On-board electronics  
Over voltage

Reverse polarity  
No sparks

AUTO DETECT  
Battery voltage detection

Microprocessor Control

TIMER Adjustable

EXIDE TECHNOLOGIES

HIGH QUALITY BATTERIES



SPIRAL TECHNOLOGY

INCLUDED

GYSFLASH XL 6.12

1.9 m



1.9 m

7 STEP

6 A - Advanced technology  
8 step smart charge

12/24 V

50 Ah SPIRAL

50 Ah SPIRAL

INSIDE

HOBBIES OCCASIONAL PRO +++ INTENSIVE

STARTPACK PRO 12.24 XL

12V	8 500 A	1600 A 1V/C	24V	4 250 A	1400 A 1V/C
-----	---------	-------------	-----	---------	-------------

2 m - 70 mm<sup>2</sup> 1000 A 026711

OPTION

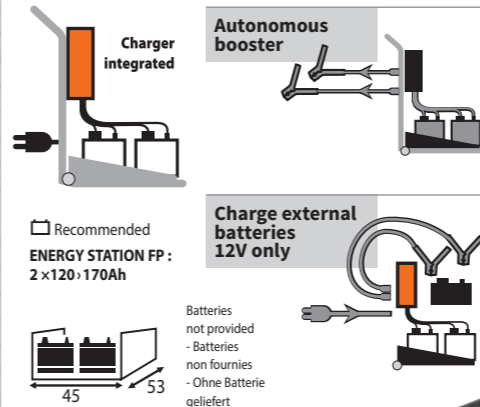


STANDARD CABLES  
1000 A - 70 mm<sup>2</sup> - 4 m  
026827

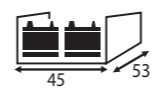
NATO CABLES  
3 m - 50 mm<sup>2</sup>  
072589

NATO ID / NCAGE :  
F8154 CG730

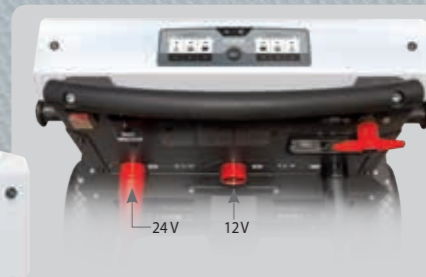
ENERGY STATION



Recommended ENERGY STATION FP : 2 x 120 x 170 Ah



Batteries not provided  
- Batteries non fournies  
- Ohne Batterie geliefert



FULL PROTECTION

- On-board electronics
- Over voltage
- No sparks
- Reverse polarity



12/24 V

HOBBIES OCCASIONAL PRO INTENSIVE +++

ENERGY STATION FP 069589

INTEGRATED CHARGER 6 STEP



After each use  
Après chaque utilisation  
Nach jeder Anwendung

MADE IN FRANCE	Inside	START			CHARGE		CHARGER	Protection			LxWxH cm	LxWxH cm / kg	
		1V/C	Cranking CC	Peak Battery	min	max		ON/OFF	Fuse				
STARTPACK PRO 12.24 XL	2x 50 Ah	12 V	1 600 A	3 000 A	8 500 A	-	-	6 A outside	automatic	300 A	2 m ø 70 mm <sup>2</sup>	106 x 32 x 35	112 x 35 x 43 / 68
		24 V	1 400 A	2 600 A	4 250 A								
ENERGY STATION FP		according to battery / selon batteries / je nach Batterie (Pb only)			12/24 V	100 > 375 Ah (x2)	30 A inside	manual	300 A		2,5 m ø 50 mm <sup>2</sup>	70 x 65 x 91	80 x 53 x 28 / 29

RECOMMENDATION

STARTPACK PRO 12.24 XL

ENERGY STATION FP



55

STARTPACK / ENERGYSTATION

BOOSTERS • Pb/LEAD INSIDE

# SELECT THE RIGHT BOOSTER

## CHOISISSEZ VOTRE BOOSTER • WÄHLEN SIE IHREN BOOSTER AUS

		12 V									12-24 V				ENERGY STATION FP	
		GYSPACK HERITAGE	GYSPACK 400	GYSPACK AIR	GYSPACK 600	GYSPACK PRO	GYSPACK 660	GYSPACK PRO 700	GYSPACK 750	GYSPACK PRO 800	GYSPACK PRO 900	STARTPACK TRUCK/ TRUCK MOBILE	STARTPACK 12.24 CI	STARTPACK PRO 12.24 CI	STARTPACK PRO 12.24 XL	ENERGY STATION FP
		025844	025455	026322	027336	026155	027862	027077	026179	068759	027084	025448 / 026025	024991	028920	026711	069589
		6 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V
START	1V/C	400 (6 V)	480 A	480 A	550 A	600 A	640 A	640 A	750 A	700 A	830 A	750 (12 V)	900 A (12 V)	1300 A (12 V)	1600 A (12 V)	
	CC	450 (12 V)										650 (24 V)	700 A (24 V)	1200 A (24 V)	1400 A (24 V)	
	PEAK	800 (6 V)	900 A	900 A	1050 A	1100 A	1200 A	1200 A	1450A	1320 A	1700 A	1450 A (12 V)	1700 A (12 V)	2400 A (12 V)	3000 A (12 V)	
		850 (12 V)										1300 A (24 V)	1350 A (24 V)	2250 A (24 V)	2600 A (24 V)	
		3200 (6 V)	1250 A	1250 A	1750 A	1750 A	1900 A	1800 A	2500 A	2500 A	3100 A	3200 A (12 V)	3600 A (12 V)	6200 A (12 V)	8500 A (12 V)	
	1600 (12 V)										1600 A (24 V)	1800 A (24 V)	3100 A (24 V)	4250 A (24 V)		
2x 20 Ah		18 Ah	18 Ah	22 Ah	22 Ah	28 Ah	16 Ah <i>EnerSys</i>	28 Ah	28 Ah	30 Ah <i>EnerSys</i>	2 x 22 Ah	2 x 16 Ah <i>EnerSys</i>	2 x 30 Ah <i>EnerSys</i>	2 x 50 Ah <i>EXIDE TECHNOLOGIES</i>		
SPIRAL TECHNOLOGY																
ON/OFF		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
TEST/OK		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
outside 2 A		outside 0,5 A	outside 0,5 A	outside 0,5 A	outside 0,5 A	outside 2 A	inside 2,5 A	outside 2 A	outside 2 A	inside 2,5 A	outside 2 A	inside 4 A	inside 4 A	outside 6 A	inside 30A	
IUoU		WU	WU	WU	WU	IUoU	7 step	IUoU	IUoU	7 step	IUoU	7 step	7 step	7 step	6 step	
12 V DC		12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC				
ON/OFF		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SIZE		1,8 m ø25 mm <sup>2</sup>	0,6 m ø16 mm <sup>2</sup>	1,1 m ø25 mm <sup>2</sup>	0,6 m ø16 mm <sup>2</sup>	1,1 m ø25 mm <sup>2</sup>	1,3 m ø25 mm <sup>2</sup>	1,4 m ø25 mm <sup>2</sup>	1,3 m ø25 mm <sup>2</sup>	1,8 m ø25 mm <sup>2</sup>	1,8 m ø35 mm <sup>2</sup>	1,8 m ø35 mm <sup>2</sup>	2 m ø50 mm <sup>2</sup>	2 m ø70 mm <sup>2</sup>	2,5 m ø50 mm <sup>2</sup>	
WEIGHT		37x20x46	26x10x29	33x17x37	26x10x29	35x14x37	35x19x40	33x15x32	35x19x40	31x19x35	33x15x32	37x20x46/37x20x57	34x18x46	63x39x30	112x35x43	70x65x91
WEIGHT		18 kg	6,5 kg	8,5 kg	6,5 kg	9 kg	13,5 kg	12 kg	13,5 kg	18,4 kg	16 kg	18/21 kg	22 kg	34 kg	68 kg	29 kg +

★ **MINI PRO**

★★ **PRO**

★★★★★ **UNIVERSAL PRO**

**ATTENTION HORS UTILISATION**  
Laisser le chargeur branché en permanence.

**ACHTUNG WENN NICHT IN GEBRAUCH**  
Ladegerät dauernd angeschlossen lassen.

**ATTENTION CUANDO ESTA APAGADO**  
Dejar el cargador conectado permanentemente.

**OPGELET BUITEN GEBRUIK**  
Laat de lader onafgebroken aangesloten.

**OFF**  
After each use  
Après chaque utilisation  
Nach jeder Anwendung

**CAUTION ON STAND BY**  
Keep your GYSPACK connected to the mains supply.

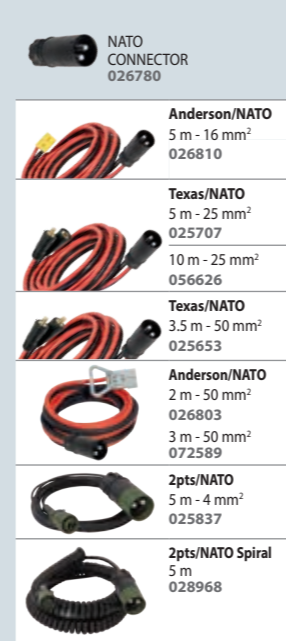


### NATO / OTAN : PRODUITS COMPATIBLES

- Compatible Products - Kompatible Produkte



NATO ID / NCAGE : F8154 CG730

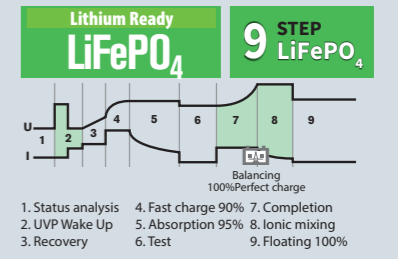
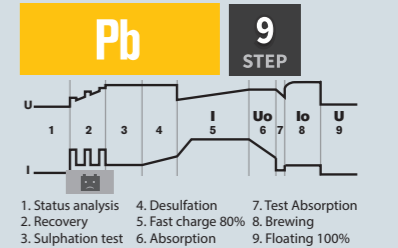


	GYSFLASH 30.12, 50.12 FV 100.12, 101.12 CNT 30.24, 50.24 102.12, 32-12PL	GYSFLASH 101.24 CNT FV 121.12 CNT FV	GYSFLASH 123.12 CNT FV 103.24 CNT FV	GYSFLASH 53.48 CNT FV	GYSFLASH 15.24 XTREM	STARTIUM 980E	STARTPACK PRO 12.24 XL
NATO CONNECTOR 026780							
Anderson/NATO 5 m - 16 mm <sup>2</sup> 026810	✓	—	—	✓	—	—	—
Texas/NATO 5 m - 25 mm <sup>2</sup> 025707	—	✓	✓	—	—	—	—
Texas/NATO 10 m - 25 mm <sup>2</sup> 056626	—	—	—	—	—	—	—
Texas/NATO 3.5 m - 50 mm <sup>2</sup> 025653	—	—	—	—	—	✓	—
Anderson/NATO 2 m - 50 mm <sup>2</sup> 026803	—	—	—	—	—	—	✓
Anderson/NATO 3 m - 50 mm <sup>2</sup> 072589	—	—	—	—	—	—	—
2pts/NATO 5 m - 4 mm <sup>2</sup> 025837	—	—	—	—	✓	—	—
2pts/NATO Spiral 5 m 028968	—	—	—	—	✓	—	—



### BATTERIES DE TRACTION : PRODUITS COMPATIBLES

Compatible Products - Kompatible Produkte



	TYPE	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	CURRENT
24 V	BATIUM 25.24 X	liquid 75 Ah	90 Ah	120 Ah	125 Ah	130 Ah	140 Ah	155 Ah	165 Ah	180 Ah	25 A
	GYSFLASH 30.24 HF	liquid —	—	—	75 Ah	85 Ah	105 Ah	125 Ah	145 Ah	175 Ah	15 A
	GYSFLASH 50.24 HF	liquid —	—	—	250 Ah	290 Ah	350 Ah	410 Ah	480 Ah	550 Ah	50 A
	GYSFLASH 51.12	liquid 130 Ah	150 Ah	180 Ah	210 Ah	240 Ah	270 Ah	310 Ah	350 Ah	390 Ah	25 A
	GYSFLASH 101.24	liquid 390 Ah	470 Ah	550 Ah	630 Ah	720 Ah	820 Ah	930 Ah	1050 Ah	1200 Ah	100 A
	GYSFLASH 103.24	liquid 490 Ah	580 Ah	680 Ah	790 Ah	900 Ah	1020 Ah	1160 Ah	1310 Ah	1500 Ah	100 A
36 / 48 V	GYSFLASH 25.48	liquid 130 Ah	150 Ah	180 Ah	210 Ah	240 Ah	270 Ah	310 Ah	350 Ah	390 Ah	25 A
	GYSFLASH 51.48	liquid 260 Ah	310 Ah	360 Ah	420 Ah	480 Ah	540 Ah	610 Ah	690 Ah	790 Ah	50 A
	GYSFLASH 53.48	liquid —	—	—	260 Ah	300 Ah	330 Ah	370 Ah	400 Ah	440 Ah	470 Ah

100 A		<b>Cables Anderson 175A/Texas</b> 5 m - 25 mm <sup>2</sup> 025721
100 A		<b>Cables REMA 160A/Texas</b> 5 m - 25 mm <sup>2</sup> 025714
15 A		<b>Cables REMA 160A/Anderson</b> 5 m - 16 mm <sup>2</sup> 069091
50 A		<b>Cables Anderson 175A/Anderson</b> 5 m - 16 mm <sup>2</sup> 069107

NATO COMPATIBILITY



# BOOSTERS LITHIUM INSIDE

SPECIAL HOBBY • Non professional use •  
Utilisation non professionnelle • Nicht für gewerblichen  
Gebrauch.



4700 Pa



- ▶ START ENGINE
- + POWER BANK
- + LIGHT

PRO XL  
★★★★

PRO  
★★★

PRO  
★★★



12V

12V

NOMAD POWER VAC 350

400 A

0,26 m - 5,26 mm<sup>2</sup> → AWG10  
028937



NOMAD POWER 300

350 A

0,28 m - 5,2 mm<sup>2</sup> → AWG10  
025875



NOMAD POWER 500

550 A

0,4 m - 8,3 mm<sup>2</sup> → AWG8  
027145  
☎: 069633



ACCESSORIES  
included for NOMAD POWER 500



NOMAD POWER PRO 12 XL

1000 A

0,8 m - 21 mm<sup>2</sup> → AWG4  
025912



ACCESSORIES  
included for NOMAD POWER VAC 350

SMART CABLE  
MULTI SECURITIES



ACCESSORIES  
included for NOMAD POWER 300



NOMAD POWER 400

500 A

0,28 m - 5,2 mm<sup>2</sup> → AWG10  
025882



ACCESSORIES  
included for NOMAD POWER 400



NOMAD POWER PRO 700

600 A

0,26 m - 8,3 mm<sup>2</sup> → AWG8  
027510  
☎: 028838



ACCESSORIES  
included for NOMAD POWER PRO 700



12 / 24 V

NOMAD POWER PRO TRUCK

600 A

0,55 m - 13,3 mm<sup>2</sup> → AWG6  
027527  
☎: 028845



ACCESSORIES  
included for NOMAD POWER 500



24 V

NOMAD POWER PRO 24 XL

1400 A

0,8 m - 21 mm<sup>2</sup> → AWG4  
025905



ACCESSORIES  
included for

NOMAD POWER PRO 12 XL  
NOMAD POWER PRO 24 XL



	LITHIUM		I			J (3s)	START PETROL & DIESEL	CABLE	MULTI SECURITIES	INPUT	MICRO USB	OUTPUT	POWER BANK				cm	kg
	CAPACITY/CELL	TYPE	FULL CHARGE	Start (6V)	Cranking CC								Peak Battery	Smart	USB	OB		
NP VAC 350	2.5 Ah - 37 Wh	NMC	5 h	400 A	800 A	1000 A	9000 J	12V	5V-2A	•	5V/2 A	5V/2 A (Type C)	5V/2 A	•	2	—	27.2 × 0.65	0.48
NP 300	2.5 Ah - 37 Wh	NMC	5 h	350 A	700 A	900 A	8000 J	12V	12V 5V-2.1 A	•	5V/2 A	—	5V/9V/12V - 5V/2 A	•	2	—	14.6 × 7.8 × 3.1	0.365
NP 400	3 Ah - 45 Wh	NMC	5 h	500 A	1000 A	1200 A	11000 J	12V	12V 5V-2.1 A	•	5V/2 A	—	5V/9V/12V - 5V/2 A - 15V/5A	•	2	—	17.5 × 8.4 × 3.1	0.498
NP 500	5.25 Ah - 77.7 Wh	NMC	6 h	550 A	1300 A	1500 A	12000 J	12V	12V 5V-2A	•	5V/2 A 9V/2 A	—	5V/1A - 5V/2.1 A	•	2	—	22.5 × 9.1 × 3.4	0.610
NP PRO 700	6 Ah - 92.5 Wh	NMC	9 h	600 A	1500 A	2000 A	14000 J	12V	—	•	9V/2 A 12V/1.5 A	5V/2 A (Type C)	5V/2.4 A - 9V/2 A 12V/1.5 A - 15V/10 A	•	2	—	22.8 × 10 × 3.8	0.82
NP PRO TRUCK	5.3 Ah - 137 Wh	NMC	10 h	600 A	1500 A	2000 A	12V : 14000 J 24V : 35000 J	12V/24V	—	•	9 V/2 A 12 V/1.5 A	5V/2 A (Type C)	5V/1 A - 5V/2.1 A - 12V/10 A	•	2	•	24.8 × 24.8 × 9.6	2.4
NP PRO 12XL	8 Ah - 118.4 Wh	NMC	5 h	1000 A	1800 A	3000 A	22000 J	12V	12V/15 A 4 A	—	18V/2 A	—	5V/2.1 A - 12V/3.5 A 12V/10 A - 19V/3.5 A	•	2	•	27.4 × 27.8 × 11	5.6
NP PRO 24XL	8 Ah - 236.8 Wh	NMC	10 h	1400 A	2400 A	3000 A	60000 J	24V	12V/15 A 4 A	—	18V/2 A	—	5V/2.1 A - 12V/3.5 A 12V/10 A - 19V/3.5 A	•	2	•	27.4 × 27.8 × 11	5.6

i	Recommendation																cm	kg
	Motorcycle	Car	Van	Truck	Bus	Tractor	Excavator	Generator	Compressor	Drill	Saw	Hammer	Screwdriver	Wrench	Socket	Other		
NP VAC 350	5 × 70 Ah																	
NP 300	5 × 70 Ah																	
NP 400	5 × 90 Ah																	
NP 500	5 × 120 Ah																	
NP 700	5 × 140 Ah																	
NP PRO TRUCK	5 × 140 Ah																	
NP PRO 12XL	5 × 180 Ah																	
NP PRO 24XL	5 × 240 Ah																	



# BOOSTERS SUPER CAPACITOR

BATTERYLESS - SANS BATTERIE  
- OHNE BATTERIE

## NEW TECHNOLOGY - FULL ELECTRONIC CONTROL



- ✓ NO BATTERY INSIDE
- ✓ NO MAINTENANCE
- ✓ ALWAYS READY
- ✓ BOOSTER SANS BATTERIE INTERNE
- ✓ AUCUNE MAINTENANCE
- ✓ TOUJOURS PRÊT
- ✓ KEINE INTERNE BATTERIE
- ✓ KEINE WARTUNG
- ✓ IMMER BEREIT

### EASY TO USE

2 minutes!



-40/+65°C

STARTRONIC 800

800 A 12 V GO > 5 V

026735



5x 800 F INSIDE

### INCLUDED

CIGARETTE LIGHTER for Easy charge  
STARTRONIC 800 & HYBRID 950  
027404



STARTRONIC HYBRID 950

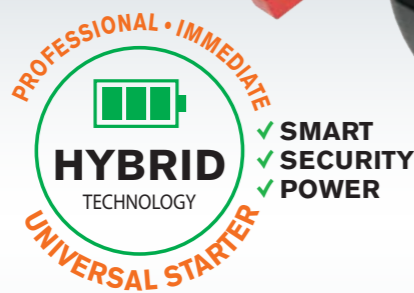
## SUPERCAPACITORS + LITHIUM

950 A 12 V GO > 1 V

026117



Digital control



SMART SECURITY POWER

5x 950 F + Lithium INSIDE

INCLUDED STARTRONIC HYBRID 950

Lithium battery

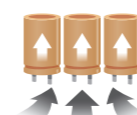


027411

## SUPERCAPACITORS



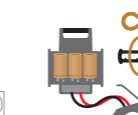
1 MILLION CYCLES



ULTRA FAST CHARGE



NO CHARGE STORAGE



UNLIMITED STARTS

## SMART STARTER



FULL PROTECTION

-40/+65°C



12 V

5x 3000 F INSIDE

GYSCAP 680E

1600 A 12 V GO > 1 V

026773

1.7 m - 25 mm<sup>2</sup>  
Cables 100% Cu



Homologations / Approvals / Zulassungen:  
PSA17.1716



24 V

10x 3000 F INSIDE

GYSCAP 24V

2500 A 24 V GO > 2 V

028944

2 m - 50 mm<sup>2</sup>  
Cables 100% Cu

INCLUDED

CIGARETTE LIGHTER for Easy charge

1.5 m



12 V

GYSCAP 680E / GYSCAP 24V

OPTION

GYSLASH 4.12

p.6



F5

p.14



GYSCAP 680E / GYSCAP 24V

MADE IN CHINA

MADE IN FRANCE

	INPUT CHARGE Charging time											cm	kg		
	I			Number of Capacitors	Integrated Inverter	12 V				5 V / 2 A				internal lithium battery	
	1V/C	START ICC	Peak			OFF	ON	OFF	ON	MICRO USB Type B	40 min				
STARTRONIC 800	800 A	1 400 A	-	12 V	5 x 800 F	•	4 min	60 s	4 min	4 min	5 V/2 A	40 min	-	26,7 x 19,5 x 5	1,86
STARTRONIC HYBRID 950	950 A	1 660 A	-	12 V	5 x 950 F	•	4 min	60 s	4 min	4 min	5 V/2 A	40 min	30 min	25 x 18,5 x 6	1,86
GYSCAP 680E	1 600 A	2 700 A	9 000 A	12 V	5 x 3000 F	•	15 min	2 min	15 min	15 min	-	-	-	35 x 44 x 19	8,2
GYSCAP 24V	2 500 A	4 500 A	10 000 A	24 V	10 x 3000 F	•	15 min	2 min	30 min	30 min	-	-	-	32 x 49 x 21,5	12

Recommendation	Moped	Motorcycle	ATV	UTV	Car	Van	Truck	Bus
STARTRONIC 800								
STARTRONIC HYBRID 950								
GYSCAP 680 E								
GYSCAP 24V								225 Ah



# BATTERY TESTERS POWER INVERTER PORTABLE ENERGY

TRADITIONAL TESTERS	64
DIGITAL TESTERS	64
TESTERS & PRINTER	66

POWER INVERTER	68
PORTABLE ENERGY	70



# TESTERS TRADITIONAL

# TESTERS DIGITAL



**TBP 100**  
6/12 V 20 > 100 Ah

055131



**TBP 500**  
12 V 10 > 160 Ah

055148

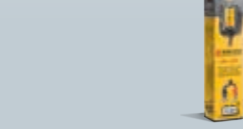


x4 Languages Sprachen

Download on the App Store | Get it on Google Play

**Wireless battery monitor**  
Indicateur de charge sans fil  
12/24 V 7 > 240 Ah

024212

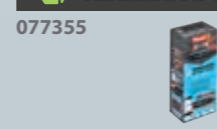


x13 Languages Sprachen

Download on the App Store | Get it on Google Play

**BTW 6V/12V**  
6/12 V 7 > 240 Ah

077355



**BT 001**  
12 V 7 > 230 Ah  
056640



**NBT 100**  
12 V 20 > 150 Ah  
024151



**NBT 200**  
12 V 20 > 150 Ah  
ALTERNATOR 12 V  
024168



**DBT 300**  
12 V 4 > 150 Ah  
ALTERNATOR 12 V  
024175



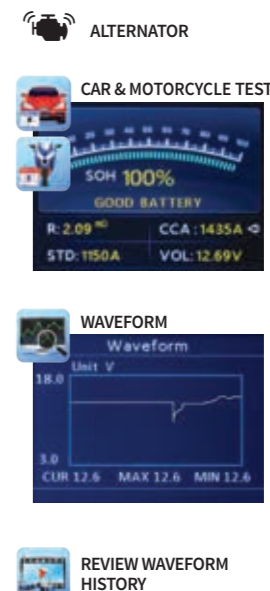
**DBT 350**  
12 V 7 > 240 Ah  
START STOP ALTERNATOR 12/24 V  
025868



**DBT 500**  
6/12 V 7 > 240 Ah  
ALTERNATOR 12/24 V  
079823



COLOR SCREEN



x12 Languages Sprachen

NEW 07 2023



PLAYLIST BATTERY TESTERS

	BATTERY		TEST			PRINT PAPER	DIGITAL	RESULT	TEMPERATURE COMPENSATION	kg	cm	L x W x H cm / kg
	A	V	CHARGE & START SYSTEM VEHICLE	LIQUID	START / STOP ENGINE							
<b>TBP 100</b>	6-12V	20 > 100 Ah	•	•	12V	—	—	5/10s	15 min	—	1.5	16x18x30 30.7x17.2x10.3 / 1.5
<b>TBP 500</b>	12V	10 > 160 Ah	•	•	12V	—	—	15s	15 min	—	3.75	27x26x13 31x28.6x18.2 / 3.8
<b>BTW 6V/12V</b>	6-12V	7 > 240 Ah	—	min 4,5V	12/24V	—	—	1s	instant	•	0.11	11x3x2 7.5x4.5x16.4 / 0.16
<b>BATTERY MONITOR</b>	12-24V	7 > 240 Ah	—	min 7V	12/24V	—	—	1s	instant	•	0.1	6.5x5x1.5 5x6.5x31 / 0.12
<b>BT 001</b>	12V	7 > 230 Ah	—	•	12V	—	LED	1s	instant	—	0.29	3x12x1.5 24.2x11.8x2.4 / 0.29
<b>NBT 100</b>	12V	20 > 150 Ah	•	min 7V	—	—	•	1s	instant	—	0.25	7x1.5x12 5x18x25.8 / 0.3
<b>NBT 200</b>	12V	20 > 150 Ah	•	min 7V	12V	—	•	1s	instant	—	0.25	7x1.5x12 5x18x25.8 / 0.3
<b>DBT 300</b>	12V	4 > 150 Ah	•	min 4,5V	12V	—	back-lit / rétro-éclairé	1s	instant	—	0.25	12x7.9x22.7 5x18x25.8 / 0.3
<b>DBT 350</b>	12V	7 > 240 Ah	•	min 8V	12 / 24V	—	back-lit / rétro-éclairé	1s	instant	•	0.8	9.6x3x13.8 6.5x10.5x21 / 0.35
<b>DBT 500</b>	12-24V	7 > 240 Ah	•	min 5V	6 / 12V	—	color screen 2.4"	1s	instant	•	0.3	8x2x14 —

i Recommendation	BATTERY		TEST			LIQUID	START / STOP ENGINE	EFB	AGM VRLA / GEL	TRUCK	CURRENT CCA SAE
	Battery/Batteries/Ladegeräte	Alternator Circuit/Lichtmaschine/Lichtkreis	LIQUID	START / STOP ENGINE	EFB						
<b>TBP 100</b>	6V 12V	•	•	•	•	•	•	•	•	20 > 100 Ah	—
<b>TBP 500</b>	12V	•	•	•	•	•	•	•	•	10 > 160 Ah	0 > 1000 A
<b>BTW 6V/12V</b>	6V 12V	•	•	•	•	•	•	•	•	7 > 240 Ah	10 > 2000 A
<b>BATTERY MONITOR</b>	12V 24V	•	•	•	•	•	•	•	•	7 > 240 Ah	—
<b>BT 001</b>	12V	•	•	•	•	•	•	•	•	7 > 230 Ah	—
<b>NBT 100</b>	12V	•	•	•	•	•	•	•	•	20 > 150 Ah	200 > 1200 A
<b>NBT 200</b>	12V	•	•	•	•	•	•	•	•	20 > 150 Ah	200 > 1200 A
<b>DBT 300</b>	12V	•	•	•	•	•	•	•	•	4 > 150 Ah	40 > 1200 A
<b>DBT 350</b>	12V	•	•	•	•	•	•	•	•	7 > 240 Ah	40 > 2000 A
<b>DBT 500</b>	6V 12V	•	•	•	•	•	•	•	•	7 > 240 Ah	100 > 2000 A

Languages - Sprachen

	GB	FR	DE	IT	ES	PT	CZ	NL	PL	RU	TR	CN	JP	KR	IR
DBT 300	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DBT 350	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DBT 500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PBT 550	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PBT 600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PBT 700	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BT 2010	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PBT 812	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PBT 824	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BTW 6V/12V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



PBT

TESTERS

# TESTERS & PRINTER



x10 Languages Sprachen

x5 Languages Sprachen

x6 Languages Sprachen



x9 Languages Sprachen

x10 Languages Sprachen

NEW 06 2023

x10 Languages Sprachen



COMPATIBILITY  
USB Barcode scanner 1D/2D for BT2010, PBT 812, PBT 824 027718 p.28

Approvals Homologations Zulassungen

## PRINTER • 12 V

**PBT 550**

12 V 30 > 220 Ah

START STOP ALTERNATOR 12 V

024199

**PBT 600**

12 V 30 > 220 Ah

START STOP ALTERNATOR 12/24 V

024205

**PBT 700**

12 V 7 > 240 Ah

START STOP ALTERNATOR 12/24 V

024229

Standard 57 mm (W)

## PRINTER • 6/12 V

**BT2010 START-STOP DHC**

6/12 V 7 > 240 Ah

START STOP ALTERNATOR 12/24 V

055339

**PBT 812**

6/12 V 7 > 240 Ah

START STOP ALTERNATOR 12/24 V

076686

## PRINTER • 6/12/24 V (2x12)

**PBT 824**

6/12/24(2x12)V 7 > 240 Ah

START STOP ALTERNATOR 12/24 V

025738



Accessories	Qty	W	H	D	Compatible Models
056220	x2	37 mm	7.5 m	25 mm	BT 301 / BT 501 / BT 551
056237	x1	57 mm	28 m	50 mm	RT 777 / PBT 700 / PBT 812 / PBT 824 / BT 2010
056633	x2	57 mm	7.5 m	25 mm	PBT 550 / PBT 600 / PBT 700 / PBT 812 / PBT 824 / BT 2010 / SPM

	Voltage	Capacity	TEST			PRINT PAPER	DIGITAL	RESULT	TEMPERATURE COMPENSATION	Battery Type	Weight	Dimensions	L x W x H cm / kg
			A	V	CHARGE & START SYSTEM VEHICLE								
PBT 550	12V	30 > 220 Ah	•	min 6V	12V	•	back-lit/rétro-éclairé	1s	instant	—	0.55	55 x 25	29 x 23 x 9 / 0.9
PBT 600	12V	30 > 220 Ah	•	min 8V	12 / 24V	•	back-lit/rétro-éclairé	1s	instant	—	1.1	55 x 25	29 x 23 x 9.5 / 1.3
PBT 700	12V	7 > 240 Ah	•	min 8V	12/24V	•	back-lit/rétro-éclairé	1s	instant	—	0.7	23.5 x 10.2 x 6.8	40.5 x 28 x 9 / 1.9
BT 2010 DHC	6-12V	7 > 240 Ah	•	min 1.5V	12/24V	•	back-lit/rétro-éclairé	1s	instant	•	0.7	13 x 6.4 x 25.1	47.6 x 34.4 x 11.8 / 3
PBT 812	6-12V	7 > 240 Ah	•	min 1.5V	12/24V	•	color TFT display 2.8"	1s	instant	•	0.7	28 x 14 x 7.5	—
PBT 824	6-12-24 (2x12)V	7 > 240 Ah	•	min 1.5V	12/24V	•	back-lit 4 colors / rétro-éclairé	1s	instant	•	0.7	25 x 4.5 x 13	40 x 28 x 9 / 2.3

Recommendation	TEST		PRINT PAPER	BATTERY TYPES				Motorcycle	Car	Van	Truck	CURRENT CCA SAE
	Battery/Batteries/Ladegeräte	Alternator Circuit/Circuit alternateur/Lichtmaschinealtkreis		LIQUID	START /STOP ENGINE	EFB	AGM VRLA/GEL					
PBT 550	12V	•	12V	•	•	•	•				30 > 220 Ah	100 > 2000 A
PBT 600	12V	•	12V 24V	•	•	•	•				30 > 220 Ah	100 > 2000 A
PBT 700	12V	•	12V 24V	•	•	•	•	7 > 240 Ah			7 > 240 Ah	40 > 2000 A
BT 2010 DHC	6V 12V	•	12V 24V	•	•	•	•				7 > 240 Ah	40 > 3000 A
PBT 812	6V 12V	•	12V 24V	•	•	•	•				7 > 240 Ah	25 > 3000 A
PBT 824	6V 12V 24V (2x12)	•	12V 24V	•	•	•	•				7 > 240 Ah	40 > 2000 A



# POWER INVERTER

12/24 V DC > 230 V AC



## PSW REMOTE CONTROL

For 601W-12



6 m

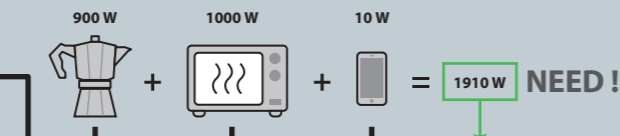
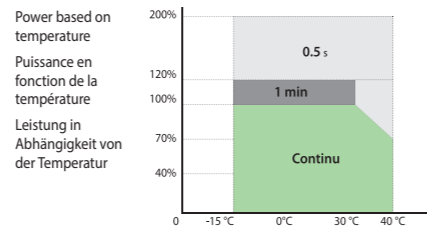
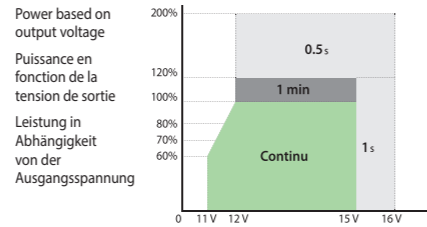
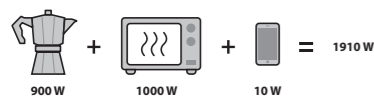
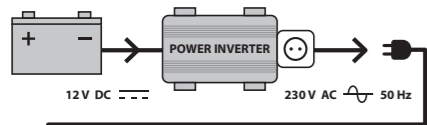
For 1002W RC-12, 1502W RC-12, 2002W RC-12, 2002W RC-24



6 m

Input = 888 V  
Output = 888 W

## MSW / PSW TECHNOLOGY



### SELECT THE RIGHT POWER INVERTER

- CHOISISSEZ VOTRE CONVERTISSEUR
- WÄHLEN SIE IHREN WECHSELRICHTER

CONVERGYS 150	CONVERGYS 300	PSW 601W RC-12	PSW 1002W RC-12	PSW 1502W RC-12	PSW 2002W RC-12	PSW 2002W RC-24	MSW 82000
12 V							24 V

HOME APPLIANCE - ÉLECTROMÉNAGER			
Microwave - Micro-Ondes - Mikrowelle	700 - 1000 W	30 - 50 min	1 h 30 - 2 h
Toaster - Grille Pain	800 - 1500 W	20 - 40 min	1 h - 2 h
Fridge - Réfrigérateur - Kühlschrank (40 L)	45 W	12 h	35 h
Kettle - Bouilloire - Wasserkocher	700 - 2500 W	15 - 45 min	35 min - 2 h
Espresso coffee maker - Cafetière espresso - Espresso-Maschine	1000 - 1600 W	20 - 30 min	1 h - 1 h 30
Drip coffee maker - Cafetière filtre - Filterkaffee-Maschine	800 - 1200 W	25 - 40 min	1 h 30 - 2 h
ELECTRONIC - ÉLECTRONIQUE			
Mobile phone - Téléphone - Telefon	5 - 10 W	55 - 110 h	155 - 310 h
Laptop - Ordinateur portable	60 - 95 W	5 - 9 h	16 - 28 h
Radio	10 - 40 W	14 - 55 h	40 - 155 h
TV 15"	40 W	13 h 30	39 h
TV 21"	50 W	11 h	31 h
Video game console - Console de jeux vidéo - Konsole für Videospiele	39 - 100 W	5 - 13 h	16 - 39 h
Camera - Appareil photo - Fotoapparat	4 - 19 W	25 - 135 h	78 - 390 h
-COMFORT - CONFORT			
Light - Eclairage - Beleuchtung	100 W	5 h 30	16 h
Electrical heater - Chauffage électrique - Elektrische Heizung	1800 - 2500 W	12 - 20 min	35 - 45 min
Fan - Ventilateur - Lüfter	50 W	11 h	31 h
Hairdryer - Sèche cheveux - Fön	1000 - 2000 W	15 - 30 min	45 min - 1h 30
SAILING - NAUTISME			
Navigation lights - Feux de navigation - Navigationslichter	24 W	30 h	80 h
Radar	24 W	30 h	80 h
Autopilot mode - Pilote automatique	60 W	9 h	30 h
GPS/Sat nav. - GPS	6 W	110 h	310 h

\* Usage duration (h) =  $\frac{80\% \times \text{Capacity (Ah)} \times \text{Optimum Efficiency (\%)} \times \text{Input DC (V)}}{\text{Power (W)}}$

MADE IN CHINA	Power	Peak power	Pure Sin Wave	Optimum Efficiency	Input DC	Output AC	Output USB (2,1) DC	max 150W	Universal	Remote	Weight	Height	Dimensions
CONVERGYS 150	150W	300W	—	90,5%	12V	230V	5V - 2A	•	•	—	0,5 kg	N/A	8 × 16,5 × 24,7 / 0,45
CONVERGYS 300	300W	600W	—	85%	12V	230V	5V - 2A	•	•	—	0,95 kg	N/A	21,3 × 20 × 6,8 / 0,95
PSW 601W RC-12	600W	1200W	•	90%	12V	230V	5V - 2A	—	•	•	2,2 kg	26,5 × 17 × 7,5	31 × 22 × 12 / 2,3
PSW 1002W RC-12	1000W	2000W	•	90%	12V	230V	5V - 2A	—	•	•	4,7 kg	37,5 × 21 × 10	44 × 27 × 16 / 4,5
PSW 1502W RC-12	1500W	3000W	•	90%	12V	230V	5V - 2A	—	•	•	5 kg	37,5 × 21 × 10	44 × 27 × 16 / 4,6
PSW 2002W RC-12	2000W	4000W	•	90%	12V	230V	5V - 2A	—	•	•	6,25 kg	38,5 × 25 × 10	43 × 32 × 16,5 / 5,7
MSW 82000	2000W	4000W	—	80%	24V	230V	5V - 2A	—	•	•	5,8 kg	35 × 20 × 28	45,3 × 26,8 × 16,1 / 4,9
PSW 2002W RC-24	2000W	4000W	•	90%	24V	230V	5V - 2A	—	•	•	6,25 kg	38,5 × 25 × 10	43 × 32 × 16,5 / 5,7

12 V CONVERGYS

CONVERGYS 150  
027022  
027039



CONVERGYS 300  
027053  
027046



12 V PURE SINE WAVE



PSW 601W RC-12  
067332  
067349



PSW 1002W RC-12  
067356  
067363



PSW 1502W RC-12  
067370  
067387



PSW 2002W RC-12  
067394  
067400

24 V MODIFIED SINE WAVE



MSW 82000  
027237  
027244

24 V PURE SINE WAVE



PSW 2002W RC-24  
067417  
067424

INCLUDED FOR ALL



# PORTABLE ENERGY

12 V > 230 V

USING TIME	50 W	100 W	250 W	500 W	1000 W	2200 W
POWER PACK 520	8 h	4 h	1 h 40	50 min	—	—
POWER PACK 1300	20 h	10 h	4 h	2 h	1 h	—
POWER PACK 1500	22 h	11 h	4 h 30	2 h 15	1 h 05	30 min

## FULL PROTECTION

Short-circuit protection,  
Over-current protection,  
Over-voltage protection,  
Under-voltage protection  
Over-load protection,  
Temperature protection

## CHARGE

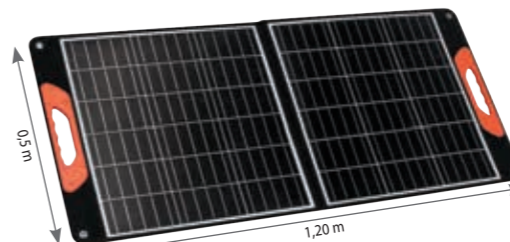
### Solar panel

monocrystalline - ETFE quality  
18V - 100 W max

OUTPUT  
USB 1 : 5V/3A  
USB 2 : 5V/3A ; 9V/2A ; 12V/1.5A  
Type C : 5V/3A ; 9V/2A ; 12V/1.5A  
Jack : 18V/5.6A max

compatible with  
Power pack 520, 1300, 1500, Energys DC/DC

079410



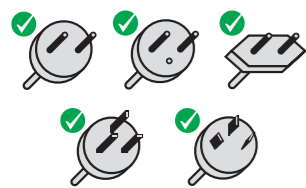
INCLUDED

NEW 08 2023

## 4in1

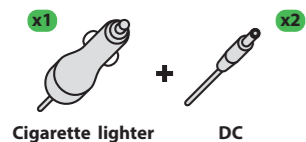
1 230 V - 50 Hz / 500 W

### UNIVERSAL OUTPUT



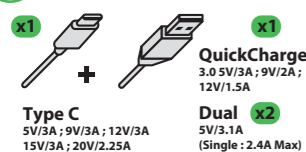
Type C / E / F / G / I

2 12 V / 12 A



Cigarette lighter DC

3 USB



Type C  
5V/3A ; 9V/3A ; 12V/3A  
15V/3A ; 20V/2.25A

Dual  
5V/3.1A  
(Single : 2.4A Max)

4 LIGHT

### 3 MODES

- Light
- S.O.S
- Spot



MPPT integrated

Solar panel compatibility

POWER PACK 520

518 Wh

20 Ah

027961



POWER PACK 520 charging cables



MPPT integrated

Solar panel compatibility

## 5in1

POWER PACK 1300

1280 Wh

50 Ah

071988

POWER PACK 1500

1408 Wh

55 Ah

NEW 04 2023

078697

ACCESSORIES included for  
POWER PACK 1300 / POWER PACK 1500



1 230 V / 50 Hz



Type C / E / F (euro plug)

3 12 V / 10 A



Cigarette lighter DC

5 LIGHT



2 USB



Type C  
5V/3A ; 9V/3A ; 12V/3A  
15V/3A ; 20V/2.25A

Dual  
5V/3.1A  
(Single : 2.4A Max)

4 BOOSTER



12 V PETROL & DIESEL

### 5 MODES

- Light
- (Low - Medium - High)
- S.O.S.
- Spot

	LITHIUM		I			POWER SUPPLY	LIGHT	kg	mm	L x W x H cm / kg					
	CAPACITY/CELL	FULL CHARGE	TYPE	Start	Peak										
POWER PACK 520	518 Wh	8 h - 10 h depending on the charging mode	LiPo	—	—	1000	Pure Sine Wave	500 W	12-30V 80W max	5V/3A ; 9V/2A ; 12V/1.5A 12V/12A ; 5V/3.1A 230V/50Hz/500W (AC) x 2	• 3 + 1 (MICRO USB - Type C)	1 x LED	5.14	26.4 x 23.4 x 16.3	33.5 x 23 x 34.5 / 6.2
POWER PACK 1300	1280 Wh	7 h - 12 h depending on the charging mode	LFP	500 A	1000 A	2000	Pure Sine Wave	1000 W	12-30V 200W max	5V - 9V - 12V - 16V/3 A 20V/3 A ; 20V/5 A ; 12V/10 A 230V/50Hz x 3	• 4 + 2 (MICRO USB - Type C)	1 x LED	17.5	36 x 27 x 28	45 x 39 x 39 / 20.6
POWER PACK 1500	1408 Wh	8 h - 12 h depending on the charging mode	LFP	500 A	1000 A	2000	Pure Sine Wave	2200 W	12-30V 200W max	5V - 9V - 12V - 16V/3 A 20V/3 A ; 20V/5 A ; 12V/10 A 230V/50Hz x 3	• 4 + 2 (MICRO USB - Type C)	1 x LED	19.5	36 x 27 x 28	—

RECOMMENDATION	Game	Phone	MP3	Laptop	TV	Tablet	Camera	Drill	Saw	Hammer	Screwdriver	Wrench	Pliers	Scissors	Knife	Lighter	Car	Motorcycle	Boat
----------------	------	-------	-----	--------	----	--------	--------	-------	-----	--------	-------------	--------	--------	----------	-------	---------	-----	------------	------

POWER PACK 520	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
POWER PACK 1300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
POWER PACK 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



# JUMPER CABLES EV CABLES ACCESSORIES

JUMPER CABLES	74
EV CHARGING	75
ACCESSORIES	76

# JUMPER CABLES

320 A > 1000 A

056206						
564015						
056404						
056602						
056190						
056312						
056329						
056336						
027695						
056343						
056558						
056541						
056619						

## BOOSTER CABLES - Câbles de démarrage - Starterkabel - Cables de arranque - Cavi di avviamento



DIN 72553	ESSENCE BENZINE PETROL	DIESEL	Length	Cross-section	TYPE
027695	350 A	5,5l	31	3,5m	25 mm <sup>2</sup> ≈ Ø Cu

TYPE	Ø	%I
CCA		
≈ Cu		
100% Cu		

## PRO BRASS CLAMPS

### BRASS CLAMPS, NOT INSULATED - Pincas laiton, non isolées - Messingklemmen, nicht isoliert - Pinzas de latón, no aisladas - Morsetti in ottone non isolati



	Length	Cross-section	TYPE
056206	320 A	3 m	16 mm <sup>2</sup> (CCA)
564015	500 A	3 m	25 mm <sup>2</sup> (CCA)
056404	700 A	4,5 m	35 mm <sup>2</sup> (CCA)
056602	1000 A	5,1 m	50 mm <sup>2</sup> (100% Cu)
056190	1000 A	4,5 m	INCLUDED 50 mm <sup>2</sup> (100% Cu)

## PRO INSULATED CLAMPS

### INSULATED CLAMPS - Pincas isolées - Isolierte klemmen - Pinzas aisladas - Morsetti isolate



	ESSENCE BENZINE PETROL	DIESEL	Length	Cross-section	TYPE	DIN 72553
056312	200 A	1,5l	3 m	10 mm <sup>2</sup>	≈ Ø Cu	—
056329	320 A	2,5l	3 m	16 mm <sup>2</sup>	≈ Ø Cu	•
056336	500 A	5,5l	3,5 m	25 mm <sup>2</sup>	≈ Ø Cu	•
056343	700 A	7l	4,5 m	35 mm <sup>2</sup>	≈ Ø Cu	•
056558	1000 A	7l	4,5 m	INCLUDED 50 mm <sup>2</sup>	(100% Cu)	—

## SUPER PRO INSULATED CLAMPS

**INCLUDED**

ANTI-ARC PROTECTION x2

	Length	Cross-section	TYPE
056541	700 A	4,5 m	35 mm <sup>2</sup> 100% Cu
056619	1000 A	5 m	50 mm <sup>2</sup> 100% Cu

# EV CHARGING

Rechargement EV • Laden für Elektrofahrzeuge  
• Carga de EV • Ricarica per veicoli elettrici

10 A > 32 A

Power	10 A	13 A	16 A	20 A	32 A
230V	2.3 kW	2.9 kW	3.7 kW	4.6 kW	7.4 kW
400V	6.9 kW	8.9 kW	11 kW	14 kW	22 kW

### INCLUDED



+ more output options...



10 A / 13 A / 16 A / 20 A / 32 A  
available on request

IP 65

↓ 23 × 16 × 9 cm  
↑ 46 × 20.5 × 38 cm / ▲ 6 kg



### SUPER PRO SMART EV CHARGE

10 → 32A 1ph / 3ph

075320  
080676

TIMER FUNCTION  
Delay start 1h → 24h



### EV CHARGING - PORTABLE

10/16 A 1 ph

028975



### EV CHARGING - STANDARD CABLES

32 A 1 ph **NEW**

079687

07 2023



### EV CHARGING - SPIRAL CABLE

32 A 1 ph

028982

32 A 3 ph **NEW**

079694

07 2023

	IP	U <sub>1</sub>	I <sub>1</sub>	P				
SUPER PRO SMART EV CHARGE	55	1 ph 3 ph + N	10/13/16/ 20/32 A	2,3 → 22kW	•	—	—	Type 2
EV CHARGING PORTABLE	66	1 ph	10 / 16 A	2,3 / 3,7kW	•	—	—	Type 2
EV CHARGING SPIRAL CABLE	66	1 ph	32 A	7,4 kW	—	•	•	Type 2
EV CHARGING STANDARD CABLES	55	1 ph	32 A	7,4 kW	—	•	•	Type 2
	55	3 ph	32 A	22 kW	—	•	•	

### OPTION

↓ 21 × 43 ×  
57 cm  
060432



# ACCESSORIES

CABLES EN 60245-6/H01N2-D (Rubber - Caoutchouc)	↔ L	A (60%)		A (35%)			
		16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	70 mm <sup>2</sup>	95 mm <sup>2</sup>
EN 60974-9	100 m	046252	121	131			
	≠ x m	046207					
	5 m	045408					
	100 m	046603	165	185			
	≠ x m	046306					
	100 m	046702	211	243			
	≠ x m	046405					
	100 m	046801	275	323			
	≠ x m	046757					
	100 m	046832	351	419			
	≠ x m	046863	433	527			

HIGH FLEXIBILITY ELECTRICAL CABLES	↔ L	A (60%)		A (35%)			
		10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	70 mm <sup>2</sup>
	100 m	054882	88	92			
	20 m	056107	054875	056091			
	100 m	054905	120	130			
	20 m	056121	054899	056114			
	100 m	054929	164	184			
	20 m	056145	054912	056138			
	100 m	054943	210	240			
	20 m	054967	054936	054950			
	50 m	056565	310	380			

## CLAMPS - Pinces • Klemmen • Pinzas • Garras • Ακροδέκτες • Зажимы • 充电夹

	40 A	60 A	60 A	200 A	300 A	600 A	650 A	700 A	850 A	1000 A	300 A	600 A									
I 100%	30 A	60 A	60 A	100 A	200 A	120 A	120 A	120 A	170 A	200 A	-	-									
I peak	75 A	150 A	150 A	200 A	300 A	600 A	650 A	700 A	850 A	1000 A	-	-									
max	≠ 30 mm	≠ 25 mm	≠ 25 mm	≠ 38 mm	≠ 45 mm	≠ 40 mm	≠ 35 mm	≠ 28 mm	≠ 44 mm	≠ 55 mm	≠ 38 mm	≠ 38 mm									
max	2.5 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	25 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	70 mm <sup>2</sup>	50 mm <sup>2</sup>	95 mm <sup>2</sup>									
	053106	055537	055520	071896	071889	053502	053403	053700	053601	053779	053786	055551	055544	025783	025776	053816	053793	025769	025752	038059	038066

## BATTERY TERMINAL - Cosses batterie - Polklemmen - Terminales batería - Accupool - Terminais de bateria - Πόλος μπαταρίας - Контакты аккумуляторной - батареи - 电池端子

	⊙ 10 mm / 35 mm <sup>2</sup>	⊙ 13 mm / 50 mm <sup>2</sup>	⊙ 16 mm / 70 mm <sup>2</sup>
	x1	x25	x25
	054431	054432	054417
	054448	054439	054424
	054431	054432	054417
	054448	054439	054424
	054431	054432	054417
	054448	054439	054424

## CABLE LUGS - Cosses - Terminal Kabelschuhe - Kabelschoen

16 mm <sup>2</sup>	M10	x10	038219
25 mm <sup>2</sup>	M10	x10	038226
35 mm <sup>2</sup>	M14	x10	038233
50 mm <sup>2</sup>	M14	x10	038240
75 mm <sup>2</sup>	M16	x10	038257
125 mm <sup>2</sup>	M15	x5	038264
25 mm <sup>2</sup>	M5	x100	047525
35 mm <sup>2</sup>	M6	x100	047532
50 mm <sup>2</sup>	M10	x100	047549
10 mm <sup>2</sup>	M16	x100	047501
16 mm <sup>2</sup>	M15	x100	047518
70 mm <sup>2</sup>	M10	x100	047556
95 mm <sup>2</sup>	M10	x50	047570

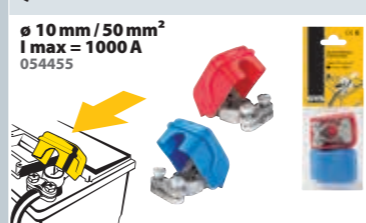
## CLEANING BRUSH POLES / TERMINALES - Nettoyeur cosses / bornes



## DINZE CONNECTORS - Connecteurs Texas - Stecker - Conectores - Schakelaars - Conectores

	I A max	mm <sup>2</sup>	mm	Ø mm	Compatibility	Ref.
CFM 25.14	200	10/25	14	9	CM 25.14, CF 25.14	x1 045507
CFM 50.21	300	35/50	21	13	CM 50.21, CF 50.21	x1 045606
CFM 70.21	400	50/70	21	13	CM 70.21	x1 047488
CM 25.14	200	10/25	14	9	CF 25.14	x20 045668
CM 50.21	300	35/50	21	13	CF 50.21	x10 045613
CM 70.21	400	50/70	21	13	CF 70.21	x5 045750
CM 95.24	500	70/95	24	13	CF 95.24	x5 047495
CF 25.14	200	10/25	14	9	CM 25.14	x30 045651
CF 50.21	300	35/50	21	13	CM 50.21	x10 045620
CF 70.24	400	50/70	24	13	CM 70.21	x5 045736
CF 95.24	500	70/95	24	13	CM 95.24	x5 072374

## QUICK CONNECTORS



## FUSES - Fusibles - Sicherungen - Fusibles - Zekeringen - Fusíveis - Ασφάλειες - Плавкие предохранители - 保险丝

05	x5	20 mm										
6.3 A	054578											
10 A	056527											
10 A	054530											
15 A	054493											
20 A	054509											
25 A	054516											
30 A	054523											
40 A	054554											
100 A	054486											
100 A	054394											
150 A	027930											
200 A	054547											
250 A	055568											
300 A	054561											
M5	40 A 054646											
	50 A 054622											
	80 A 054653											
	125 A 054585											
	150 A 054639											
M6	40 A 071599											

## ANTI-ARC PROTECTION - Protection Anti-Arc - Lichtbogenschutz - Protección anti-arco - Piekspanningsbeveiliging - Protecção anti-faixa - Αντι-σπινθηρική προστασία - Защита против дуги - 抗电弧保护



## ADJUSTABLE BATTERIE CARRIER - Porte-batterie ajustable - Einstellbarer Batteriehalter - Porta-baterias ajustable - Переноска для аккумулятора



## ACIDIMETER (PH METER) - Pèse acide antigel - Säure/Frostschutzmittel-Tester - Acido densímetro anticongelante - Zuurweger - Medidor de PH (ácido) - Μετρητής οξύτητας (PH) - Ацидиметр (pH-метр) - 防冻酸度计



## SOLAR POWERED CHARGER WITH ACCESSORIES - Kit solaire de maintien de charge avec accessoires - Solarpanel zur Ladeerhaltung mit Zubehör - Kit solar de mantenimiento de carga - Солнечная панель для поддержания заряда в наборе с аксессуарами



## MULTI CHARGE STATION FOR BATTERIES - Station multicharge pour batteries - Multi-Ladestation für Starterbatterien



## MEMORY AUTO SAVE - Sauvegarde mémoire OBD - Sicherung des Speichers - Salvaguardia memorias - Salvaguardas de memória - Αυτόματη αποθήκευση ρυθμίσεων - Сохранение настроек - 记忆存储器



## GYSPACK OBD 054998



OFF	After each use / Après chaque utilisation / Nach jeder Anwendung	INSIDE	MEMORY SAVER	12V - 7 Ah	< 4 A	< 4 A	25 x 18 x 25 cm	3 kg
-----	--	--------	--------------	------------	-------	-------	-----------------	------

## CABLE OBD - Câble OBD - Kabel für OBD



**HAND LAMPS - Lampes baladeuses - Handleuchte**

**Lampe BALADEUSE TRIPODE 250 L**  
100-250 lumens (x3)

3 x 1 W COB LED  
3 x 3.6 V - 300 mAh  
AAA rechargeable, Ni-MH  
USB charging (6h)  
**operating time**  
High position: 1 h  
Low position: 3 h  
Flashing: 5 h

↓ 26 x 10 x 10 cm / 960 g  
↑ 20 x 10.5 x 27 cm

059955

**Lampe BALADEUSE 400 L**  
400 lumens

COB LED  
Li-ion  
Charging time: 8h  
**operating time**  
High position: 2.5 h  
Low position: 5 h  
Top light (1 W): 6 h

↓ 23 x 6.5 x 4 cm / 480 g  
↑ 13 x 7 x 23.5 cm

059153

**Lampe BALADEUSE PRO 600 L**  
250-600 lumens

COB LED, 80 CRI  
3.7 V - 2200 mAh Li-ion  
micro USB charging (3.5 h)  
**operating time**  
High position: 1.5 h  
Low position: 4.5 h  
Top light (100 lumens): 10 h

↓ 19 x 5.6 x 2.9 cm  
▲ 520 g  
↑ 9 x 13 x 23.2 cm  
IP54  
210g

060883

**UNDER BONNET LAMP - Lampe sous capot - Leuchte für Motorhaube**

**Lampe SOUS CAPOT 600 L**  
500-1000 lumens

120 COB LED  
3.7V - 4000 mAh Li-ion  
charging time: 10/12 h  
**operating time**  
High position: 4 h  
Low position: 8 h

↓ 26 x 10 x 10 cm  
▲ 2.3 kg  
↑ 23.5 x 12 x 69.5 cm

059962

**Lampe SOUS CAPOT 800 L**  
250-800 lumens

120 COB LED  
3.7V - 4000 mAh Li-ion  
charging time: 10/12 h  
**operating time**  
High position: 3 h  
Low position: 6 h

↓ 26 x 10 x 10 cm  
▲ 2.3 kg  
↑ 23.5 x 12 x 69.5 cm

058002

**360° AMBIANT LAMP - Lampe ambiance 360°**

**Lampe AMBIANCE 360° PORTABLE 1000 L**  
60 > 1000 lumens

>80 CRI SMD LED  
6500 K  
3.7V - 5200 mAh Li-ion  
USB charging (4.5 h) / USB power supply  
**operating time** 2 > 27 h

↓ 26 x 7.5 x 7.5 cm ▲ 660 g  
↑ 7.8 x 8 x 35 cm  
IP 54

059764

**INSPECTION LAMP - Lampe inspection - Inspektionslampen**

**Lampe INSPECTION PRO 600 L**  
0 > 600 lumens

6500 K  
3.7 V - 2600 mAh Li-ion  
**operating time**  
1.5 > 15 h

↓ 380 x 40 x 45 mm  
▲ 360 g  
↑ 40 x 8.8 x 5.5 cm

057760

**Lampe INSPECTION MINI 350 L**  
0-350 lumens **NEW**

COB LED  
3.7 V - 1100 mAh Li-ion  
USB charging (3 h)  
**operating time**  
3 > 6.5 h

IP 20

075894

**Lampe INSPECTION PRO 800 L**  
120-800 lumens **NEW**

COB LED  
3.7 V - 2600 mAh Li-ion  
USB charging (4 h)  
**operating time**  
2.5 > 9 h

IP 54

075900

**Lampe INSPECTION FRONTALE 280 L**  
100-280 lumens

3 W COB LED  
80 CRI+, 6500 K  
3.7 V - 1500 mAh Li-po  
micro USB charging  
**operating time**  
High position: 2 h  
Low position: 6 h

IP 65 / ↓ 7.8 x 4.7 x 4.2 cm  
↑ 40 x 8.8 x 5.5 cm / ▲ 200 g

060845

**Lampe INSPECTION MINI 200 L**  
100-200 lumens

COB LED, 80 CRI, 6500 K  
3.7V - 700 mAh Li-ion  
micro USB charging (2.5 h)  
**operating time**  
High position: 1.5 h  
Low position: 4 h  
Top light: 3.5 h

120 lumens

IP 20 / ↓ 17.4 x 2.7 x 2.8 cm  
↑ 17.5 x 5 x cm / ▲ 140g

060852

**WORKLIGHT WITH TRIPOD - Projecteur sur trépied - Arbeitsleuchte mit Standfuß**

**Lampe sur TRÉPIED 1800 L**  
1800 lumens

3x 55 COB LED  
total 165 LED  
1.8 m power cord

▲ 3.2 kg  
↑ 95 x 14.5 x 14 cm

059146

**Lampe sur TRÉPIED 3000 L**  
3000 lumens

35 W COB LED  
2 m power cord

IP 44  
▲ 4.1 kg  
↑ 103 x 21.5 x 10 cm

059979

**Lampe sur TRÉPIED 4000 L**  
4000 lumens

3x 20 COB LED,  
total 60 LED  
3 m power cord

▲ 6.4 kg  
↑ 22 x 16 x 116 cm

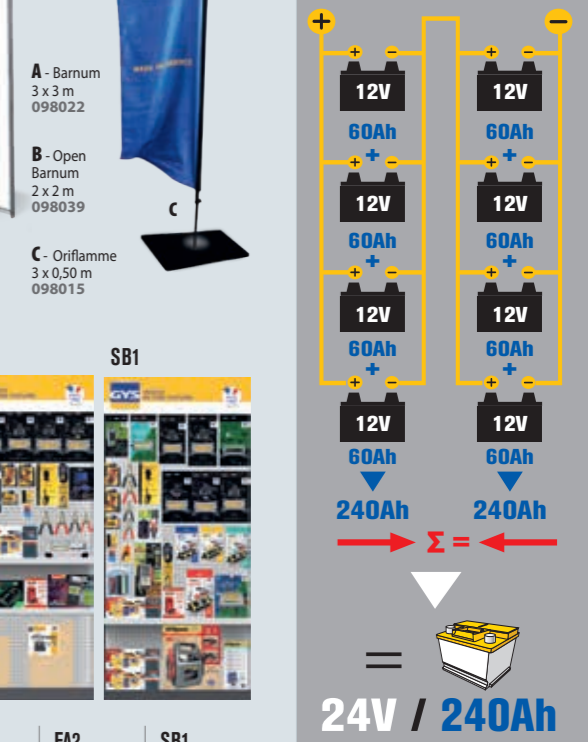
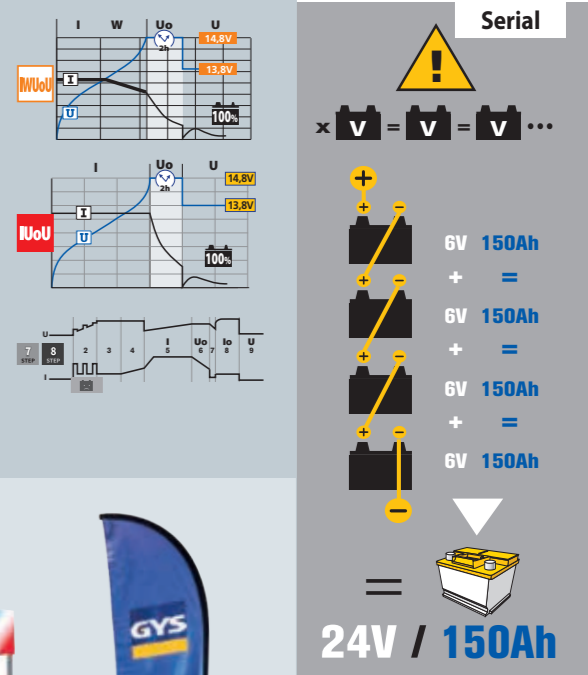
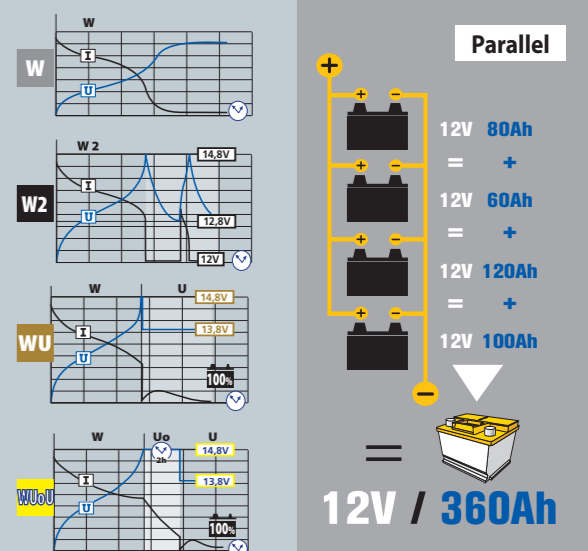
059986

**AUTOMOTIVE BATTERIES**

Batteries de démarrage - Starterbatterien - Baterias de arranque  
- Automotive accu's - Baterias de Automóvel - Mmotopiles  
огондатов - Пусковые батареи - 汽车启动电池

Curves	LIQUID Calcium / Silver	Start & Stop / AGM / EFB / GEL / Optima	Unattended charge	100% charged	Maintenance	Battery desulphation	Fast Charge	Fast Charge ++
W	✓	-	-	-	-	-	-	-
W2	✓	-	✓	-	-	-	-	-
WU	✓	-	✓	-	✓	-	-	-
WUoU	✓	✓	✓	✓	✓	-	-	-
IWUoU	✓	✓	✓	✓	✓	✓	✓	-
I REGULATED FAST CHARGE IUoU	✓	✓	✓	✓	✓	-	✓	✓
7 STEP GYSFLASH Pb	✓	✓	✓	✓	✓	✓	✓	✓

GYSFLASH Lithium  
8 STEP Li-ion  
8 STEP LiFePO4  
9 STEP Li-ion  
9 STEP LiFePO4  
LiFePO4 / Li-ion / Li-Po / NMC / LCO / MCO / NCA...



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Type	FA1	FA2	SB1
complete - complet - komplett	062429	062443	061149
without display stand - sans linéaire - ohne Regal	062436	062450	062412

Retail display space with 2 shelves - Linéaire de vente avec 2 étagères - Lochwandregal mit 2 Böden (machines not included) 060784





INVEST IN THE FUTURE



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since 1964

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## Chargers, Boosters & Starters

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Catálogo de Cargadores



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