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MANUFACTURER SINCE 1964

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GYS
INVEST IN THE FUTURE

Chargers, Boosters & Starters

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2014B
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Produits
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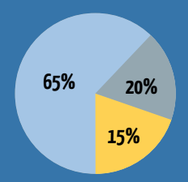
Produkte



100 % Production intégrée
In-house Manufacturing
Integrierter Produktion

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R&D Center
F&E Zentrum

Mécanique
Mechanics
Mechanik

Tôlerie / Filerie
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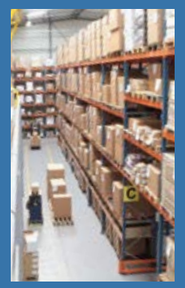
Blechfabrik / Verdrahtung

Transformateurs
Transformers
Transformator

Electronique
Electronics
Elektronik

Montage
Assembly
Montage

Logistique
Logistics
Logistik



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Produktvielfalt, die Überzeugt

Chargers

Boosters & Starters

Jumper cables, Testers & Accessories

Awards

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Certifications

GYL · CESVI France · Thatcham Quality Assured · ktd · FOCWA · TÜVRheinland Certified ISO 9001

CHARGERS TRADITIONAL

W

p. 35

3 A	12V
ENERGY 124	

Ref. **023215**
Ref. **025141**

4 A	12V
ENERGY 126	

Ref. **023222**
Ref. **025165**

CHARGERS AUTOMATIC

WU

p. 35

START /STOP ENGINE
ALL BATTERIES

AUTO RESTART

PATENTS REGISTERED NUMBERS
001652090-0001
EUROPEAN TRADEMARK & DESIGN

TCB 60 / 90 / 120

GO > 3,5 V

2/4 A	12V
TCB 60	

2/5,5 A	12V
TCB 90	

3,5/7 A	12V
TCB 120	

Ref. **023253**
Ref. **025189**

Ref. **023260**
Ref. **025202**

Ref. **023284**
Ref. **025240**

CHARGER AUTOMATIC & STARTER

W2

p. 35

AUTO RESTART

PATENTS REGISTERED NUMBERS
001652090-0002
EUROPEAN TRADEMARK & DESIGN

START UP 80

9/17 A	12V
START UP 80	

Ref. **024922** Ref. **025127**

3 in 1
=
CHARGE
+
TEST
+
START

Fuse X10

10A : Ref.054530
15A : Ref.054493

			50 / 60 Hz			CHARGE Reg	CHARGE Efficace / RMS	CHARGE Moyen / Average (EN 60335)	START 1 V/C	Fuse			Recommendation		Essence • Petrol • Benzin			Diesel		CHARGER + TESTER	BOOST	CONTROL
ENERGY 124	023215	025141	230V	70W	**12V**	—	4,5 A	3 A	—	10 A	11,5 x 16 x 22 cm	2,2 kg	**ENERGY 124**	**12V**			10 > **45 Ah**			—	—	—
ENERGY 126	023222	025165	230V	90W	**12V**	—	6 A	4 A	—	10 A	11,5 x 16 x 22 cm	2,2 kg	**ENERGY 126**	**12V**			15 > **60 Ah**			—	—	—
TCB 60 automatic	023253	025189	230V	85W	**12V**	2	6 A	2 - 4 A	—	10 A	12 x 17 x 29 cm	2,7 kg	**TCB 60** automatic	**12V**	15 > **60 Ah**					OK	—	OK
TCB 90 automatic	023260	025202	230V	120W	**12V**	2	8 A	2 - 5,5 A	—	15 A	12 x 17 x 29 cm	3,4 kg	**TCB 90** automatic	**12V**	15 > **90 Ah**					OK	—	OK
TCB 120 automatic	023284	025240	230V	150W	**12V**	2	10,5 A	3,5 - 7 A	—	15 A	12 x 17 x 29 cm	3,2 kg	**TCB 120** automatic	**12V**				30 > **120 Ah**		OK	—	OK
START UP 80 automatic	024922	025127	230V	350W	**12V**	2	13,5-25 A	9 - 17 A	50 A	—	12 x 18 x 32 cm	4,4 kg	**START UP 80** automatic	**12V**			45 > **170 Ah**			OK	OK	OK

CE
CE NORM. 60335-2-29
MADE IN GYS CHINA

CE
CE NORM. 60335-2-29
MADE IN GYS CHINA

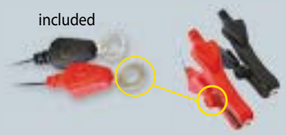
CHARGERS HF • INVERTER

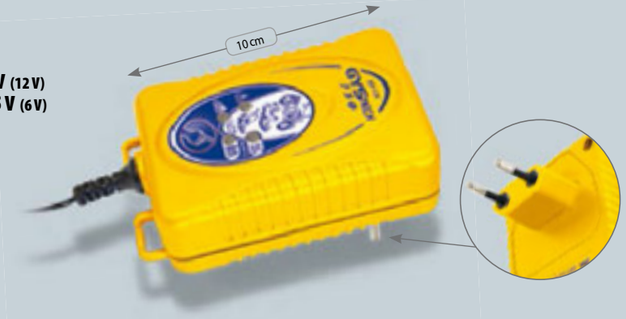
p. 35

0,75 A | 6/12V
GYSTECH 750
Ref. **024977**

> 7,5 V (12 V)
> 3,75 V (6 V)

included





3,8 A | 12V
GYSTECH 3800
Ref. **024939**

COLD CHARGE < 0°C > 0°C

> 7,5 V

included 12V/3,5 A

ON BOARD included Ref. 053113

OPTION Ref 053137 :
Kit allume cigare /
Cigarette lighter adaptater /
Adapterkit für Zigarettenanzünder

3,5/7 A | 12/24V
GYSTECH 7000
Ref. **024953**

COLD CHARGE < 0°C > 0°C

> 16 V (24 V)
> 4,5 V (12 V)

included 12V/7 A 24V/3,8 A

WATERPROOF

ON BOARD Fuse 10 A included Ref. 053144

PRODUCT LINE

Fuse X10 (for accessories) **10A** : Ref.054530

		50 / 60 Hz		CHARGE			Recover	Fuse		
					Efficace / RMS	Moyen / Average (EN 60335)				
GYSTECH 750	024977	230V	16,5 W	**6 / 12 V**	0,75 A	0,75 A	—	—	12 x 16 x 24 cm	0,3 kg
GYSTECH 3800	024939	230V	60W	**12 V**	0,8 - 3,8 A	0,8 - 3,8 A	—	10 A	10 x 27,5 x 26 cm	0,7 kg
GYSTECH 7000	024953	230V	160W	**12 V**	7 A	7 A	•	10 A	10 x 31 x 29 cm	1,3 kg
				24 V	3,5 A	3,5 A				

Recommendation		Essence • Petrol • Benzin	Diesel	Supply 5 A 12V DC	IP
GYSTECH 750	6V 12V	1,2 > **20 Ah**		—	IP 60
GYSTECH 3800	12V	Charge 1,2 > **60 Ah** (Maintenance 1,2 > **120 Ah**)		—	IP 65
GYSTECH 7000	12V 24V	**12 V :** Charge 14 > **130 Ah** (Maintenance 14 > **230 Ah**) **24 V :** Charge 14 > **60 Ah** (Maintenance 14 > **120 Ah**)		•	IP 65

CE
CE NORM. 60335-2-29
MADE IN P.R.C.

I REGULATED IUoU FAST CHARGE p. 35 | IP 65 | COLD CHARGE < 0°C > 0°C | > 1 V | START/STOP ALL BATTERIES | AUTO RESTART

BEST QUALITY !

4 A | 12V
GYSFLASH 4A
Ref. **029156**

NEW 03/2014

OPTION Ref 053519 :
Kit allume cigare /
Cigarette lighter adaptater /
Adapterkit für Zigarettenanzünder

PATENTS REGISTERED NUMBERS 002280008 & 002279927 EUROPEAN TRADEMARK & DESIGN

7 A | 12V
GYSFLASH 7A
Ref. **029187**

S.O.S. RECOVERY > 1V SULPHATED BATTERY AUTOMATIC

GYSflash 4A & 7A : included

WATERPROOF

		50 / 60 Hz			Start mini	Moyen / Average (EN 60335)	Boost	Equalize/Absorption		Floating		
GYSFLASH 4A	029156	170 > 260 V	90 W	**12 V**	1 V	0,8 - 3,6 A	4 A	14,6 V (T > 0°)	15 V (T < 0°)	13,6 V	36 x 18,5 x 7 cm	0,85 kg
GYSFLASH 7A	029187	170 > 260 V	160 W	**12 V**	1 V	0,8 - 5 A	7 A	14,6 V (T > 0°)	15 V (T < 0°)	13,6 V	38,5 x 20,5 x 7 cm	1,06 kg

Recommendation			IP	SOS RECOVERY
GYSFLASH 4A	12V	**On board/Embarqué** 1,2 > **70 Ah** (Maintenance 1,2 > **130 Ah**)	IP 65	Automatic
GYSFLASH 7A	12V	**On board/Embarqué** 1,2 > **130 Ah** (Maintenance 1,2 > **230 Ah**)	IP 65	Automatic

CE
CE NORM. 60335-2-29
MADE IN FRANCE

INVERTER HF CHARGERS

CHARGERS HF • INVERTER

MICRO-PROCESSOR CONTROL

p. 35

2/12 A	12V
GYSTECH 12/12	

Ref. **024984**

GO > 5 V

CHARGERS HF • INVERTER ON BOARD

I REGULATED IUoU FAST CHARGE

p. 35

MICRO PROCESSOR CONTROL

GO > 1 V

AUTO RESTART

START/STOP ENGINE ALL BATTERIES

Résine/Resin/Harz/Resina

VIBRATIONS / VIBRATIONEN / VIBRATIONES PROTECTED

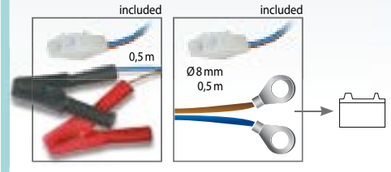
ULTRA SHOCK RESISTANT

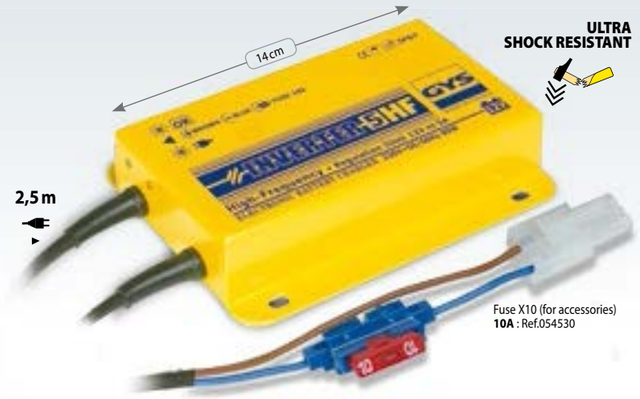
5 A	12V
INVERTER 5HF	

Ref. **029170**

IP 67 ALUMINUM CASE

RENAULT 1096600





Recommendation											IP	SOS RECOVERY
GYSTECH 12/12	12V	12 V : Charge 2 > **200 Ah** (Maintenance 2 > **250 Ah**)										•
INVERTER 5HF	12V	On board/Embarqué 20 > **100 Ah** (Maintenance 20 > **160 Ah**)									IP 20	—

		50 / 60 Hz			Start mini	Moyen / Average (EN 60335)	Equalize/Absorption	Floating		
GYSTECH 12/12	024984	230V	200 W	12V	5V	2 A-12 A	—	—	22 x 26,5 x 8 cm	1,2 kg
INVERTER 5HF	029170	230V	80 W	12V	1V	5 A	14,8 V (liquid)	13,8 V	20,5 x 12,5 x 7 cm	0,9 kg

CHARGERS TRADITIONAL

W

p. 35

AUTO RESTART

9 A	12/24V
CT 160	

Ref. **024106** Ref. **025325**

12 A	12/24V
CT 210	

Ref. **024113** Ref. **025349**

Fuse X10

15A : Ref.054493 (CT 160)

20A : Ref.054509 (CT 210)

PRODUCT LINE

Recommendation								
CT 160	12V 24V	(12V) 25 > **160 Ah** (24V) 15 > **90 Ah**						
CT 210	12V 24V	(12V) 35 > **210 Ah** (24V) 20 > **100 Ah**						

						CHARGE							
								Reg	Efficace / RMS	Moyen / Average (EN 60335) Reg 1	Reg 2	Fuse		
CT 160	024106	025325	230V, 50 / 60 Hz	190 W	12 / 24V	12V >	2	13,5 A	7 A	9 A	15 A	20,5 x 30 x 13,5 cm	3,9 kg
						24V >	2	7,5 A	3 A	5 A			
CT 210	024113	025349	230V, 50 / 60 Hz	260 W	12 / 24V	12V >	2	18 A	8 A	12 A	20 A	22,5 x 33,5 x 14,5 cm	5,2 kg
						24V >	2	9 A	4 A	6 A			

CHARGERS AUTOMATIC & MANUAL

W2 p. 35 AUTO RESTART

Protection for on-board electronics

12 A | 12/24V
CA 170
Ref. **024397**

15 A | 12/24V
CA 225
Ref. **024441**

25 A | 6/12/24V
CA 350
Ref. **024489**

Fuse X10

15A : Ref.054493 (WATTMATIC 100)
20A : Ref.054509 (WATTMATIC 150)
25A : Ref.054516 (CA 170, CA 350, WATTMATIC 180)
30A : Ref.054523 (CA 225)

CHARGERS AUTOMATIC

WUoU p. 35 GO > 3,5 V START/STOP ENGINE ALL BATTERIES AUTO RESTART

Protection for on-board electronics

6,5 A | 6/12V
WATTMATIC 100
Ref. **024823** Ref. **025417**

10 A | 6/12V
WATTMATIC 150
Ref. **024847** Ref. **025387**

12 A | 6/12V
WATTMATIC 180
Ref. **024861** Ref. **025400**

PATENTS REGISTERED NUMBERS 001652090-0002 EUROPEAN TRADEMARK & DESIGN

PRODUCT LINE

					CHARGE								
						Reg	Efficace / RMS	Moyen / Average (EN 60335) Reg 1	Reg 2	Reg 3	Fuse		
WATTMATIC 100 automatic	024823	025417	230V, 50 Hz	140 W	**6/12V**	2	9,5 A	3,5 A	6,5 A		15 A	23 x 26 x 12 cm	4 kg
WATTMATIC 150 automatic	024847	025387	230V, 50 Hz	220 W	**6/12V**	2	15 A	5 A	10 A	—	20 A	21 x 35 x 13 cm	6,2 kg
WATTMATIC 180 automatic	024861	025400	230V, 50 Hz	260 W	**6/12V**	2	18 A	6 A	12 A	—	25 A	21 x 35 x13 cm	6,3 kg
CA 170 automatic	024397		230V	500 W	**12/24V**	2	18 A	7,5 A	12 A	—	25 A	29 x 20 x 11 cm	6 kg
CA 225 automatic	024441		230V	700 W	**12/24V**	2	22 A	8 A	15 A	—	30 A	36 x 26 x 14 cm	9,5 kg
CA 350 automatic	024489		230V	1 150 W	**6/12/24V**	3	37 A	7 A	15 A	25 A	2 x 25 A	40 x 27 x 17 cm	14 kg

Recommendation		
WATTMATIC 100 automatic	6V 12V	15 > **100 Ah**
WATTMATIC 150 automatic	6V 12V	20 > **150 Ah**
WATTMATIC 180 automatic	6V 12V	25 > **180 Ah**
CA 170 automatic	12V 24V	35 > **170 Ah**
CA 225 automatic	12V 24V	35 > **225 Ah**
CA 350 automatic	6V 12V 24V	40 > **350 Ah**

CE NORM. 60335-2-29

MADE IN FRANCE

MADE IN GYS CHINA

SMART CHARGERS AUTOMATIC

IWUoU p. 35

MICRO-PROCESSOR CONTROL

ALL BATTERIES

Protection for on-board electronics

AUTO DETECT

AUTO RESTART

7 A | 6/12V
BATIUM 7/12
Ref. **024496** Ref. **024557**

GO > 2 V

7 A | 6/12/24V
BATIUM 7/24
Ref. **024502** Ref. **024625**

GO > 2 V

15 A | 6/12V
BATIUM 15/12
Ref. **024519** Ref. **024632**

SULPHATED BATTERIES — SOS RECOVERY

GO > 0,5 V

15 A | 6/12/24V
BATIUM 15/24
Ref. **024526** Ref. **024588**

SULPHATED BATTERIES — SOS RECOVERY

GO > 0,5 V

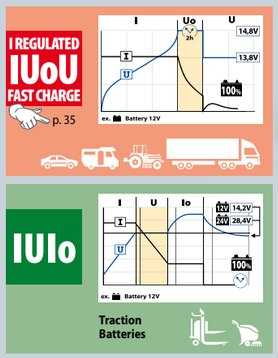
25 A | 6/12/24V
BATIUM 25/24
Ref. **024533** Ref. **024618**

I REGULATED IUoU FAST CHARGE & IUIo Specific charge Traction batteries

2 in 1

SULPHATED BATTERIES — SOS RECOVERY

GO > 0,5 V



Fuse X10

15A : Ref.054493
(BATIUM 7/12 & 7/24)

30A : Ref.054523
(BATIUM 15/12 & 15/24)

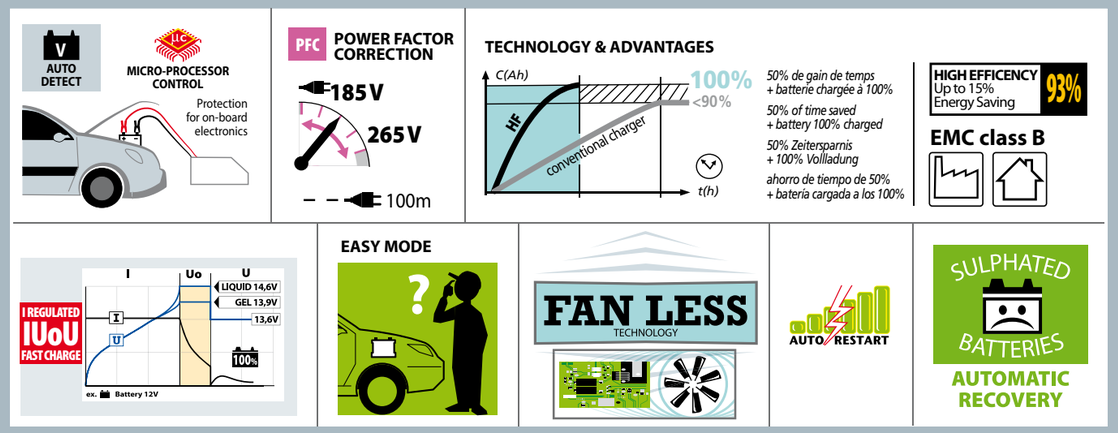
PRODUCT LINE

			50 / 60 Hz		CHARGE						Fuse			SOS RECOVERY
						Reg	Efficace / RMS	Moyen / Average (EN 60335) Reg 1	Reg 2	boost				
BATIUM 7/12	024496	024557	230V	105W	**6/12V**	2	11 A	3 A	—	7 A	15 A	21 x 34 x 13 cm	4,8 kg	—
BATIUM 7/24	024502	024625	230V	210W	**6/12/24V**	2	11 A	3 A	—	7 A	15 A	21 x 34 x 13 cm	5,7 kg	—
BATIUM 15/12	024519	024632	230V	225W	**6/12V**	3	22 A	7 A	10 A	15 A	30 A	21 x 36 x 14 cm	5,9 kg	•
BATIUM 15/24	024526	024588	230V	450W	**6/12/24V**	3	22 A	7 A	10 A	15 A	30 A	21 x 36 14 cm	8,5 kg	•
BATIUM 25/24	024533	024618	230V	1150W	**6/12/24V**	3	37 A	7 A	15 A	25 A	—	28 x 42 x 23 cm	13,4 kg	•

Recommendation										
BATIUM 7/12	6V 12V	—	15 > **130 Ah**							
BATIUM 7/24	6V 12V 24V	—	15 > **130 Ah**							
BATIUM 15/12	6V 12V	—	35 > **225 Ah**							
BATIUM 15/24	6V 12V 24V	—	35 > **225 Ah**							
BATIUM 25/24	6V 12V 24V	35 > **180 Ah**	35 > **350 Ah**							

CE — CE NORM. 60335-2-29 — MADE IN FRANCE

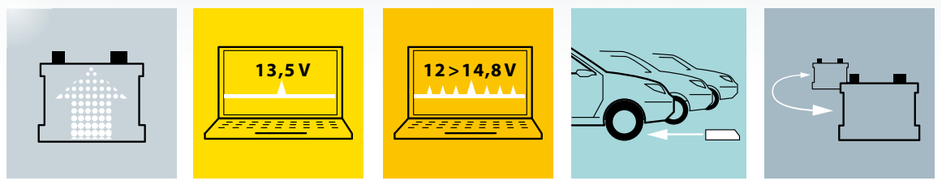
SMART AUTOMATIC CHARGERS



Select mode
- Charge
- Diag / Diag +
- Showroom
- Change battery
- Configuration

Select parameters
- Voltage
- Capacity
- Battery type
- Language
...

Adjust values
- V
- Ah
- Liquid / Gel / Easy mode
...



CHARGERS & BSU
(BATTERY SUPORT UNITS)

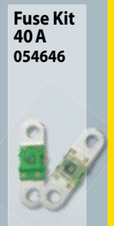
GO > 2 V

START /STOP ENGINE

ALL BATTERIES

Tablette - Wall support
Halterung
Ref. 054592

Chariot
Trolley
Fahrwagen
Ref. 054608


Fuse Kit
40 A
054646

30 A | 12 V
GYSFLASH 30.12 HF
Ref. 029224
PFC

30 A | 12/24V
GYSFLASH 30.24 HF
Ref. 029231
PFC

		50 / 60 Hz			START MINI	Imax 100% @40°C	CHARGE		BSU			Change Battery	Fuse			Recommendation						SULPHATED BATTERIES AUTOMATIC RECOVERY
								Charging Curve	Diag	Diag+	SHOWROOM											
GYSFLASH 30.12HF	029224	230 V	**12 V**	500 W	2 V	30 A	10>400 Ah	IUoU	13,5 V	12>14,8 V	12>14,8 V	12,9 V	40 A	25,5 x 23 x 10,5 cm	3,8 kg	**GYSFLASH 30.12HF**	12V	—	10 > **400 Ah**			•
GYSFLASH 30.24HF	029231	230 V	**12 V**	500 W	2 V	30 A	10>400 Ah	IUoU	13,5 V	12>14,8 V	12>14,8 V	12,9 V	40 A	25,5 x 23 x 10,5 cm	3,8 kg	**GYSFLASH 30.24HF**	12V 24V	—	**12 V**: 10 > **400 Ah** **24 V**: 10 > **200 Ah**			•
			24 V			15 A	10>200 Ah		—	—	—	25,8 V										

60335-2-29

MADE IN FRANCE

CHARGERS & BSU
(BATTERY SUPORT UNITS)

GO > 1V

START/STOP ENGINE

ALL BATTERIES

Tablette - Wall support Halterung

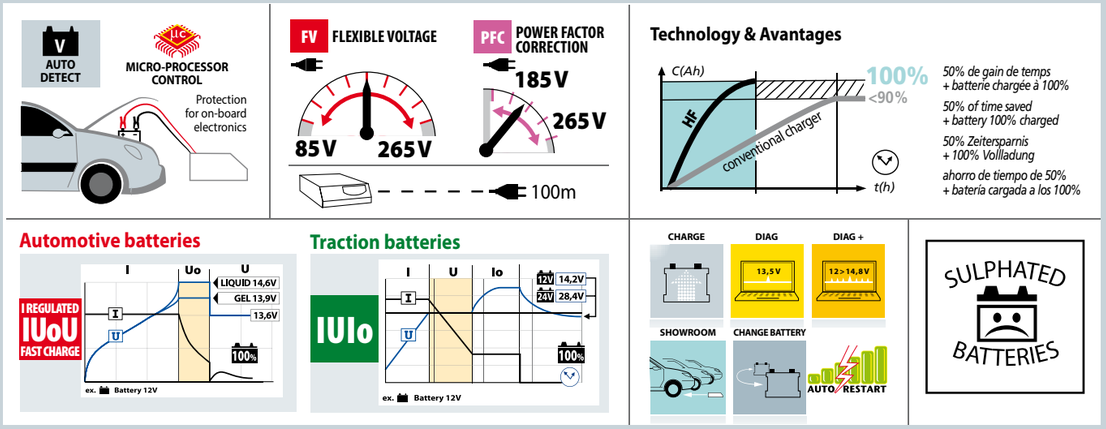
Ref. **054592**

Chariot Trolley Fahrwagen

Ref. **054608**

Fuse Kit 80 A

Ref.**054653**



EASY TO USE /Anwenderfreundlich

GYSFLASH 75.12 HF

PARAMETERS

SETTING
English

7 langues. 7 languages. **7 Sprachen.** 7 idiomas.

CABLES TESTING
Press START

Vérification et étalonnage câbles et pinces. Checking & calibration of clamps and cables. **Prüfung und Kalibierung der Kabel/Zangen.** comprobación y calibración de los cables y pinzas.

DELAYED CHARGE
03H32

Minuteur pour différer la charge, temps restant avant le début de charge. Delayed charging with time remaining before start. **Timer für Ladungsbeginn Restzeit bis Ladungsbeginn.** Minutero para aplazar la carga Tiempo restante antes del comienzo de la carga

SETTING
Charge end:float

En fin de charge, passage automatique en mode "floating" (charge de maintenance) courbe IUoU. D'origine cette action est active. Autres configurations possibles : arrêt total en fin de charge, reprise ou non de la charge si coupure de courant. At the end of the charge, the factory setting is to leave the charger in floating mode (IUoU). This can be modified, the 'change mode' function and be used to stop the charge completely. **Bei Ladungsende, autom. Wechsel in Floating (Erhaltungsladung) Ladekurve IUoU Werkseinstellung Andere Konfigurationen möglich: Ladungsende, Fortsetzung der Ladung nach Stromausfall.** En fin de carga, pasa automáticamente en modo "floating" (carga de mantenimiento) curva IUoU de origen, esta acción es activa Otras configuraciones posibles: Paro total en fin de carga, reanudación o no de la carga si hay corte de corriente.

CONTROL PANELS

CHARGE

CHARGE
70A 13.2V

État de charge. Charge status. **Ladezustand.** Estado de carga.

CHANGE BATTERY

CHANGE BATTERY
I=10.0A

Courant de compensation fourni par le chargeur. Compensation current supplied by the charger. **Kompensationsstrom durch Ladegerät.** Corriente de compensación roporcionada por el cargador.

DIAG SHOWROOM

DIAG U=13.5V
I=60.0A

Courant délivré au véhicule. Current sent to the car. **Stromversorgung-Fahrzeug.** corriente liberada en el vehículo.

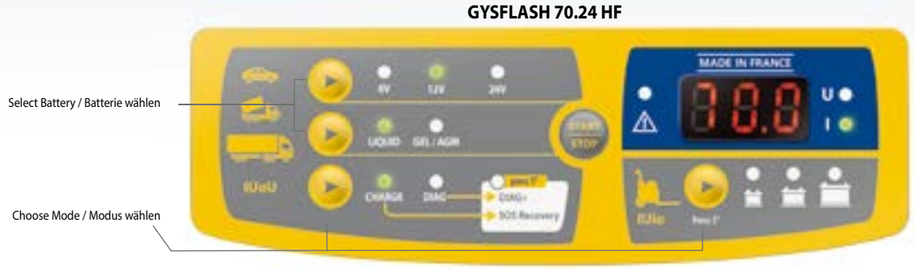
DIAG U=14.8V
I=60.0A

Tension réglable de 12 à 15V. Adjustable output voltage from 12 to 15V. **Einstellbare von 12 bis 15V.** Tensión ajustable de 12 a 15V.

DIAGNOSTIC
CONSUMPTION>75A

(+Buzzer) **Excès de consommation + de 75A. Arrêter le diagnostic ou réduire les consommateurs.** (+Buzzer) Excessive consumption (over 70A). Stop diagnostic system or reduce consumption. **(+Warnsignal). Verbrauch + 70A Diagnosemodus stoppen oder Stromverbrauch reduzieren** (+ buzzer). Exceso de consumo supero a los 70A. Parar el diagnostico o reducir los consumidores

GYSFLASH 70.24 HF



70A

Ideal During Diagnostics
Ideal während Fahrzeug-diagnose

Veille : 5A
Ouverture Vitre : 10A
Essui-glace : 11A
Lave glace : 8A

Phares : 19A
Dégivrage lunette arrière : 15A
Moto ventilateur : 36A

Stand-by : 5A
Window opening : 10A
Windscreen wipers : 11A
Screen wash : 8A

Full beam : 19A
Rear window de-mister : 15A
Radiator cooling fan : 36A

Ruhezustand : 5A
Fensterheber : 10A
Scheibenwischer : 11A
Scheibenwaschanlage : 8A

Scheinwerfer : 19A
Beheizbare Heckschreibe : 15A
Motorlüftung : 36A

75 A | 12 V

GYSFLASH 75.12 HF

Ref. **029262** FV PFC

I REGULATED IUoU FAST CHARGE

SULPHATED BATTERIES AUTOMATIC RECOVERY

L = 5 m

Ref. 053526
5 m

OTAN

70 A | 6/12/24V

GYSFLASH 70.24 HF

Ref. **029255** FV PFC

SULPHATED BATTERIES SOS RECOVERY

L = 2,5 m

Option 5 m
Ref. 054615

I REGULATED IUoU FAST CHARGE + IUIo

Automotive + Traction

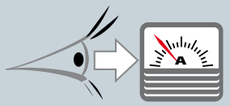
		50 / 60 Hz			Start mini	CHARGE Boost	Equalize/Absorption Gel/AGM	Equalize/Absorption Liquid	Floating	BSU Diag	Diag +	Show room	40°C/230 V	Fuse		
GYSFLASH 75.12 HF	029262	85 > 265 V	**12V**	1 150 W	1V	1 - 75 A	13,9V	14,6V	13,6V	13,5 V (Reg. 12V ... 15V)			12V : 55 A @ 100 %	80 A	48 x 32,5 x 16 cm	7,8 kg
GYSFLASH 70.24 HF	029255	85 > 265 V	**6V**	575 W	1V	1 ... 70 A	7V	7,3 V	6,8V	—	—	—	—	80 A	48 x 32,5 x 16 cm	7,8 kg
			12V	1 150 W	1V	1 ... 70 A	13,9V	14,6V	13,6V	13,5 V	12>15V	—	12V : 45 A @ 100 %			
			24V	1 150 W	1V	1 ... 35 A	27,8V	29,2V	27,2V	27 V		—	24V : 20 A @ 100 %			

| Recommendation | | |

TRADITIONAL STARTERS & CHARGERS

W p. 35

AUTO RESTART



430 A | 12/24V
PROSTART 430
Ref. **025219** | Ref. **025226**

610 A | 12/24V
PROSTART 610
Ref. **025257** | Ref. **025264**

420 A | 12/24V
NEOSTART 420
Ref. **025295** | Ref. **025479**

620 A | 12/24V
NEOSTART 620
Ref. **025288** | Ref. **025486**

Fuses 200 A x 2
Ref. 054547

Fuses 200 A x 2
Ref. 054547

			50/60 Hz	I1		CHARGE Reg	Efficace / RMS	Moyen / Average (EN 60335)	Automatic	pos. Manual	min > max	START 1 V/C	0 V/C			
PROSTART 430	025219	025226	230 V	16 A	**12/24 V**	3	52 A	35 A	—	•	20 > 700 Ah	250 A	430 A	—	31 x 36,5 x 65 cm	23 kg
PROSTART 610	025257	025264	230 V	16 A	**12/24 V**	3	72 A	45 A	—	•	20 > 1000 Ah	400 A	610 A	—	31 x 36,5 x 65 cm	26,5 kg
NEOSTART 420	025295	025479	230 V	16 A	**12/24 V**	3	70 A	45 A	—	•	20 > 1000 Ah	300 A	420 A	—	47 x 32 x 27 cm	20,5 kg
NEOSTART 620	025288	025486	230 V	16 A	**12/24 V**	3	90 A	60 A	—	•	20 > 1350 Ah	360 A	620 A	—	47 x 32 x 27 cm	24 kg

Recommendation		50 Ah > > > > 100 Ah > > > > 150 Ah > > > > 200 Ah
PROSTART 430	12V 24V	
PROSTART 610	12V 24V	
NEOSTART 420	12V 24V	
NEOSTART 620	12V 24V	

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TRADITIONAL STARTERS

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AUTOMATIC STARTERS
& CHARGERS

W2 p. 35 & CHARGE → ELECTRONIC CONTROL / MANUAL

AUTO RESTART

Protection for on-board electronics

OVER PROTECTION VOLTAGE — AUTOMATIC CONTROL

235 A	12V
GYSTART 235	
Ref. 025318	

600 A	12V
GYSTART 612 E	
Ref. 025332	5 m

700 A	12/24V
GYSTART 724 E	
Ref. 025356	5 m

900 A	12/24V
GYSTART 924.230	
Ref. 025363	5 m

1 200 A	12/24V
GYSTART 1224 T	
Ref. 025394	TRI 5 m

Fuses 200 A x 2
Ref. 054547

		50/60 Hz	I1		CHARGE Reg	Efficace / RMS	Moyen / Average (EN 60335)	Automatic	pos. Manual	min > max	START 1 V/C	START 0 V/C			
GYSTART 235	025318	230V	16 A	12V	2	25 A	17 A	•	•	20 > 400 Ah	140 A	235 A	—	24 x 18 x 35 cm	10,1 kg
GYSTART 612 E	025332	230V	16 A	12V	ELECTRONIC 10 45	70 A	45 A	•	•	20 > 1000 Ah	350 A	600 A	•	31 x 36,5 65 cm	25,5 kg
GYSTART 724 E	025356	230V	16 A	12/24V	ELECTRONIC 10 45	70 A	45 A	•	•	20 > 1000 Ah	400 A	700 A	•	31 x 36,5 x 65 cm	28,5 kg
GYSTART 924.230	025363	230V	16 A - 25 A	12/24V	ELECTRONIC 10 50	75 A	50 A	•	•	30 > 1100 Ah	650 A	900 A	•	36 x 28 x 78 cm	34 kg
GYSTART 1224 T	025394	400 V (TRI)	16 A	12/24V	3	80 A	60 A	•	•	65 > 1350 Ah	780 A	1200 A	•	42,5 x 34,5 x 71 cm	54,5 kg

Recommendation		50 Ah > > > > 100 Ah > > > > 150 Ah > > > > 200 Ah
GYSTART 235	12V	
GYSTART 612 E	12V	
GYSTART 724 E	12V 24V	
GYSTART 924.230	12V 24V	
GYSTART 1224 T	12V 24V	

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AUTOMATIC STARTERS

TESTERS

TRADITIONAL

ELECTRONIC

12V | 6V - 12V

				TEST: BATTERY A	TEST: BATTERY V	TEST: CHARGING & STARTING SYSTEM VEHICLE	PRINT PAPER	DIGITAL	RESULT		TEMPERATURE COMPENSATION		
TBP 100 *traditional*	055131	6-12 V	**20>100 Ah**	•	•	**12V**	—	—	5/10s	15 min	—	16x1,8x30	1,5
TBP 500 *traditional*	055148	12 V	**10>160 Ah**	•	•	**12V**	—	—	15s	15 min	—	27x26x13	8
BT 111 DHC *electronic*	055155	12 V	**20>150 Ah**	•	• min 7 V	—	—	•	1s	instant	—	7x1,5x12	0,25
BT 222 DHC *electronic*	055216	12 V	**20>150 Ah**	•	• min 7 V	**12V**	—	•	1s	instant	—	7x1,5x12	0,25
BT 280 DHC *electronic*	055261	12 V	**4>150 Ah**	•	• min 4,5 V	**12V**	—	• rétro-éclairé /back-lit	1s	instant	—	12x7,9x22,7	0,25
RT 002 DHC *electronic*	055230	6-12 V	**7>230 Ah**	•	• min 1,5 V	**12V 24V**	—	• rétro-éclairé /back-lit	1s	instant	•	11,5x5x19	0,8
BT 501 DHC *electronic*	055209	6-12 V	**7>230 Ah**	•	• min 1,5 V	**12V 24V**	•	•	1s	instant	•	11x4x19,5	0,4
RT 777 DHC *electronic*	055247	6-12 V	**7>230 Ah**	•	• min 1,5 V	**12V 24V**	•	• rétro-éclairé /back-lit	1s	instant	•	13x6,4x25,1	0,7

Recommendation	Test: batteries/Battery/ Ladegeräte	Test: Circuit alternateur/ Alternator Circuit/ Lichtmaschineschaltkreis	PRINT PAPER	
TBP 100 *traditional*	6V 12V	12V	—	20 ▸ **100 Ah**
TBP 500 *traditional*	12V	12V	—	10 ▸ **160 Ah**
BT 111 DHC *electronic*	12V	—	—	20 ▸ **150 Ah**
BT 222 DHC *electronic*	12V	12V	—	20 ▸ **150 Ah**
BT 280 DHC *electronic*	12V	12V	—	4 ▸ **150 Ah**
RT 002 DHC *electronic*	6V 12V	12V 24V	—	7 ▸ **230 Ah**
BT 501 DHC *electronic*	6V 12V	12V 24V	•	7 ▸ **230 Ah**
RT 777 DHC *electronic*	6V 12V	12V 24V	•	7 ▸ **230 Ah**

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MADE IN TAIWAN

SELECTION P. 34

BOOSTERS + POWER SUPPLY

WU Floating Process Charge 100 %
p. 35

1 000 A | 12V
GYSPACK ONE
Ref. 025073
1V/C 300 A

12 Ah INSIDE

1 250 A | 12V
GYSPACK AUTO/ GYSPACK 400
1V/C 480 A

Ref. 026230
Ref. 025424

Ref. 025455

18 Ah INSIDE

Power Supply 18 Ah · 12V DC

1 250 A | 12V
GYSPACK AIR
1V/C 480 A

Ref. 026322
Ref. 025431

Isolated clamps 500 A 1,1 m ø 25 mm²

Power Supply 18 Ah · 12V DC

18 Ah INSIDE

+ Compressor
Air Kit included 4 bars

Après chaque utilisation
After each use
Nach jeder Anwendung

GYSPACK ONE, GYSPACK AUTO, GYSPACK AIR, GYSPACK 400, GYSPACK PRO — AUTOMATIC CHARGER Power in 230 V / 12 V — included — Ref. 054677, Ref. 054660

		12V Inside	START 1V/C	Cranking CC	Peak Battery				Power Supply	Charge 230 V			
GYSPACK ONE	025073	12 Ah	300 A	600 A	1 000 A	—	•	—	—	EXTERNAL 12 V DC	•	24 x 17 x 285 cm	5,8 kg
GYSPACK AUTO/400	026230 / 025424	18 Ah	480 A	900 A	1250 A	—	•	—	12 V DC	EXTERNAL 12 V DC	•	33 x 14 x 35 cm	7 kg
GYSPACK AIR	026322 / 025431	18 Ah	480 A	900 A	1250 A	•	•	4 bars	12 V DC	EXTERNAL 12 V DC	•	35,5 x 19,5 x 43 cm	10 kg

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1 750 A | 12V
GYSPACK PRO
1V/C 600 A

Ref. 026155

WU
p. 35

Power Supply 22 Ah · 12V DC

AUTOMATIC CHARGER Power in 12V

included

Isolated clamps 500 A 1,1 m ø 25 mm²

22 Ah INSIDE

2 500 A | 12V
GYSPACK 750
1V/C 750 A

Ref. 026179

REGULATED IUoU FAST CHARGE
p. 35

FV FLEXIBLE VOLTAGE 85V – 265V

Power Supply 26 Ah · 12V DC

AUTOMATIC CHARGER Power in 12V

included

Isolated clamps 600 A 1,3 m ø 25 mm²

26 Ah INSIDE

3 200 A | 12V — 1V/C 750 A
1 600 A | 24V — 1V/C 650 A
GYSPACK TRUCK
Ref. 025448

REGULATED IUoU FAST CHARGE
p. 35

FV FLEXIBLE VOLTAGE 85V – 265V

Power Supply 44 Ah · 12V DC

AUTOMATIC CHARGER Power in 12V

included

22 Ah + 22 Ah INSIDE

Isolated clamps 600 A 1,8 m ø 25 mm²

Après chaque utilisation
After each use
Nach jeder Anwendung

GYSPACK 750, GYSPACK TRUCK — AUTOMATIC CHARGER Power in 230 V / 12 V — included — Ref. 054684

Fuses 200 A x2 GYSPACK 750 Ref. 054547
Fuse 300 A x2 GYSPACK TRUCK Ref. 054561

		12V Inside	START	1V/C	Cranking CC	Peak Battery			Fuse	Power Supply	Charge 230 V			
GYSPACK PRO	026155	22 Ah	12V	600 A	1100 A	1750 A	•	•	—	12 V DC	EXTERNAL 12 V DC	•	34 x 20 x 43 cm	8,9 kg
GYSPACK 750	026179	26 Ah	12V	750 A	1450 A	2500 A	•	•	2 x 200 A	12 V DC	EXTERNAL 12 V/2 A DC	•	36 x 20 x 43 cm	14 kg
GYSPACK TRUCK	025448	2 x 22 Ah	12V	750 A	1450 A	3200 A	•	•	1 x 300 A	12 V DC	EXTERNAL 12 V/2 A DC	—	38,9 x 22,5 x 50 cm	16 kg
			24V	650 A	1300 A	1600 A								

60335-2-29
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SELECTION P. 34

BOOSTERS
CAR + TRUCK

CHARGER INSIDE
HAWKER BATTERIES

WUoU p. 35

1 800 A | 12V | **1V/C** 640 A
GYSPACK 650
Ref. **026254**
RENAULT 1 096 700

3100 A | 12V | **1V/C** 830 A
GYSPACK 810
Ref. **026278**
RENAULT 1 096 701

3600 A | 12V | **1V/C** 900 A
1 800 A | 24V ★ | **1V/C** 700 A
STARTPACK 12.24
Ref. **026285**

6200 A | 12V | **1V/C** 1300 A
3100 A | 24V ★★★ | **1V/C** 1200 A
GYSPACK PRO 12.24
Ref. **026452**
PRO ★★★

16 Ah INSIDE

30 Ah INSIDE

16 Ah + 16 Ah INSIDE

45 x 17 x 58 cm - 31 kg
57 x 34 x 94 cm - 45,5 kg
30 Ah + 30 Ah INSIDE

Fuses 200 A x 2
Ref. 054547

230V
Après chaque utilisation
After each use
Nach jeder Anwendung

		12V Inside	START 12V	1V/C	Cranking CC	Peak Battery	TEST OK	CHARGER INSIDE 230V	Protection		Power out	Memory	Fuse	Fuse			
GYSPACK 650	026254	**16 Ah**	12V	640 A	1200 A	1800 A	•	3 A	•	•	12 V DC		15 A	200 A	2 x 1,4 m ø 25 mm²	23 x 35 x 35 cm	13 kg
GYSPACK 810	026278	**30 Ah**	12V	830 A	1700 A	3100 A	•	3 A	•	•	12 V DC		15 A	2 x 200 A	2 x 1,8 m ø 35 mm²	18 x 38 x 31 cm	16,6 kg
STARTPACK 12.24	026285	**2x16 Ah**	12V	900 A	1700 A	3600 A	•	7 A	•	•	—		20 A	2 x 200 A	2 x 1,8 m ø 35 mm²	21 x 35 x 56 cm	23,5 kg
			24V	700 A	1350 A	1800 A											
GYSPACK PRO 12.24	026452	**2x30 Ah**	12V	1300 A	2400 A	6200 A	•	7 A	•	•	—		20 A	2 x 200 A	2 x 2 m ø 50 mm²	12 x 64 x 97 cm	45,5 kg
			24V	1200 A	2250 A	3100 A											

12V

Recommendation	
GYSPACK 650	
GYSPACK 810	

24V

Recommendation	
GYSPACK TRUCK	
STARTPACK 12.24	★
GYSPACK PRO 12.24	**PRO ★★★**

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GYS
BOOSTERS - PRO

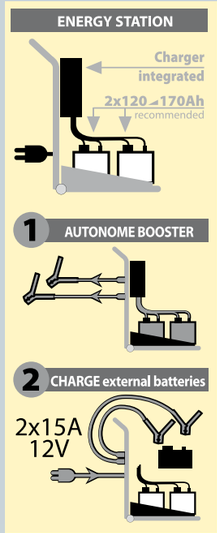
BOOSTER
TRUCK & BUS

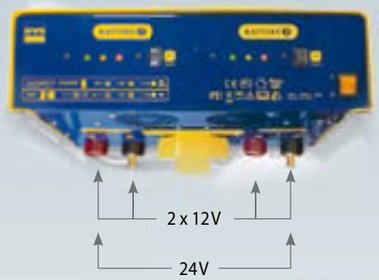
CHARGER
AUTOMATIC X2

CHARGER INSIDE

WUoU p. 35

12/24V
ENERGY STATION
Ref. **026148**





Batteries non fournies
Batteries not provided
Ohne Batterie
45 53

OPTION
Kit roues mousse polyuréthane
/Wheel kit/Räder-Kit
Ref. 053212

230V
Après chaque utilisation
After each use
Nach jeder Anwendung

Recommendation											Charge External batteries
ENERGY STATION	12V 24V										OK

		START	CHARGE 12V	CHARGE 24V	CHARGE min > max	CHARGE Moyen / Average (EN 60335)	CHARGE Efficace / RMS	Fuse			
ENERGY STATION	026148	selon batteries /according to battery	•	•	35 > 225 Ah	2 x 15 A	2 x 22 A	2 x 30 A	70 x 62 x 92 cm	36 kg + batteries	2 x 2,5 m - ø 35 mm²

CE
CE NORM. 60335-2-29
MADE IN FRANCE

MEMORY AUTO SAVE

SAUVEGARDE MÉMOIRE OBD / Memory auto save
/ Speicherschutz / Salvaguardia memorias
/ Salvaguardas de memória / Αυτόματη αποθήκευση ρυθμίσεων
/ Сохранение настроек/ 记忆储存器

GYSPACK OBD
Ref. **054998** Ref. **055001**

OBD

7 Ah INSIDE

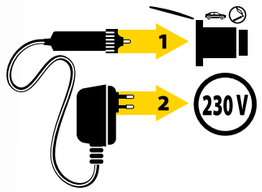
230V
Après chaque utilisation
After each use
Nach jeder Anwendung

INSIDE	MEMORY SAVER OBD	MEMORY SAVER		
12 V 7 Ah	< 4 A	< 4 A	25 x 18 x 25 cm	3 kg

SAUVEGARDE MÉMOIRE
/ Memory auto save
/ Speicherschutz

230V/12V

Ref. 055018



CE
CE NORM. 60335-2-29
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JUMPER CABLES
CONSUMER

Ref.		x m	Ø CCA
056367	**200 A** (1,2 l)	2,5 m	7 mm²

ISOLATED CLAMPS

Ref.		x m	Ø CCA
056398	**200 A** (1,5 l)	2,8 m	10 mm²
056411	**320 A** (2,5 l)	3 m	16 mm²
056428	**500 A** (3/5,5 l)	3,5 m	25 mm²
056442	**700 A** (4/7 l)	4,5 m	35 mm²

ISOLATED CLAMPS & LED

Ref.		x m	≈ Ø CU
056374	**300 A** (2,5 l)	3 m	16 mm²
056381	**500 A** (4,5/5,5 l)	3,5 m	25 mm²

CE
CE NORM. 60335-2-29
MADE IN P.R.C.

JUMPER CABLES
PROFESSIONAL

PRO

ISOLATED CLAMPS

PINCES ISOLÉES - INSULATED CLAMPS • ISOLIERTE KLEMMEN • Pinzas aisladas • Garras isoladas • Geïsoleerde klemmen • Μονωμένοι ακροδέκτες • Изолированные зажимы • 绝缘充电夹

MADE IN P.R.C

Ref.		x m	≈ Ø CU
056312	**200 A** (1,5 l)	2,8 m	10 mm²
056329	**320 A** (2,5 l)	3 m	16 mm²
056336	**500 A** (3/5,5 l)	3,5 m	25 mm²
056343	**700 A** (4/7 l,PRO)	4,5 m	35 mm²

BRASS CLAMPS

PINCES LAITON, NON ISOLÉES - Brass clamps, NOT INSULATED • Messingklemmen, nicht isoliert • pinzas de latón, no aisladas • Koperen klemmen, niet geïsoleerd • Garras bronze, latão isoladas • Ακροδέκτες χαλκού χωρίς μόνωση • ЛАТУННЫЕ ЗАЖИМЫ, НЕИЗОЛИРОВАННЫЕ • 黄铜夹,无绝缘

MADE IN P.R.C

Ref.		x m	≈ Ø CU
056206	**320 A**	3 m	16 mm²
564015	**500 A**	3 m	25 mm²
056404	**700 A**	4,5 m	35 mm²
056602	**1000 A**	5,1 m	50 mm² (100% Cu)

SUPER PRO

PINCES ISOLÉES - INSULATED CLAMPS • ISOLIERTE KLEMMEN • Pinzas aisladas • Garras isoladas • Geïsoleerde klemmen • Μονωμένοι ακροδέκτες • Изолированные зажимы • 绝缘充电夹ioiopi

MADE IN FRANCE

Ref.		x m	Ø CU
056541	**700 A**	4,5 m	35 mm²

MADE IN FRANCE

Ref.		x m	Ø CU
056619	**1000 A**	5 m	50 mm²

CE
CE NORM. 60335-2-29

POWER INVERTER 12V > 230V

CONVERGYS

CONVERGYS 150

Ref. **027015** Ref. **027008**

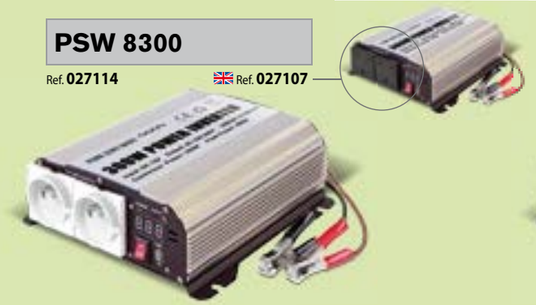
CONVERGYS 300

Ref. **027053** Ref. **027046**

PURE SINE WAVE

PSW 8300

Ref. **027114** Ref. **027107**



PSW 8600

Ref. **027169** Ref. **027152**

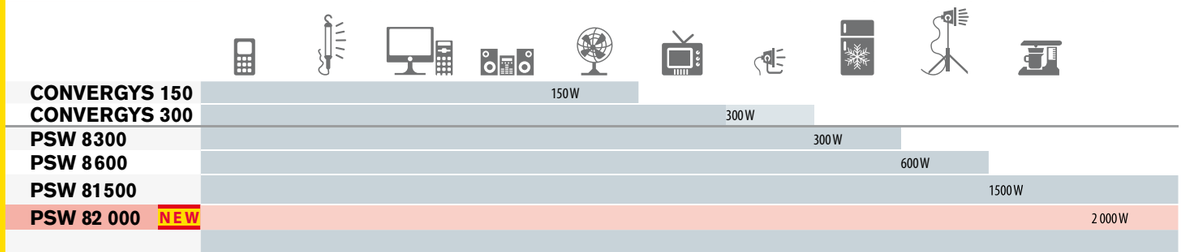
Conversion Chart / Table:

horse power to watts			watts to horse power		
hp	=	W	W	=	hp
0,1	=	73,5	100	=	0,1360
0,2	=	147,1	200	=	0,2719
0,3	=	220,6	300	=	0,4079
0,4	=	294,2	400	=	0,5438
0,5	=	367,7	500	=	0,6798
1	=	735,5	1000	=	1,3596
2	=	1471,0	2000	=	2,7192
3	=	2206,5	3000	=	4,0789
4	=	2942,0	4000	=	5,4385

PSW 81500

Ref. **027220** Ref. **027190**

			Power	Peak power	Pure Sin Wave	Optimum Efficiency	Input DC	Output AC	Output USB DC	max 150 W		Universal			
CONVERGYS 150	027015	027008	**150 W**	300 W	—	90,5 %	12 V	230 V	5 V · 500 mA	•	—	•	—	6 x 10 x 5 cm	0,34 kg
CONVERGYS 300	027053	027046	**300 W**	600 W	—	85 %	12 V	230 V	5 V · 500 mA	•	•	•	—	10 x 15 x 6 cm	0,85 kg
PSW 8300	027114	027107	**300 W**	600 W	•	85 %	12 V	230 V	5 V · 500 mA	—	•	•	•	18 x 18 x 7 cm	1,2 kg
PSW 8600	027169	027152	**600 W**	1200 W	•	85 %	12 V	230 V	5 V · 500 mA	—	•	•	•	18 x 20 x 7 cm	2,3 kg
PSW 81500	027220	027190	**1500 W**	3000 W	•	85 %	12 V	230 V	5 V · 500 mA	—	•	•	•	18 x 31 x 7 cm	4 kg
MSW 82 000 NEW	027237	027244	**2000 W**	4000 W	•	80 %	24 V	230 V	5 V · 500 mA	—	cables	•	•	35 x 20 x 9,8 cm	5,4 kg



CE
CE NORM. 60335-2-29
MADE IN P.R.C.

DHC 54E STATION MULTICHARGE POUR BATTERIES - Multi charge station for batteries - multi-ladestation für starter-batterien

Charge automatique • Automatic charge • Automatischer Ladevorgang

4 x 5A 12V (liquid/gel)
5 étapes • 5 steps • 5 Schritte
Pulse/Boost/Egalisation/100%/Floating
Maintenance/Zusatzhülsenkit

10 ◢ 100 Ah

Multicharge Station DHC 54E
Ref. **025097**

KIT SOLAIRE DE MAINTIEN DE CHARGE - Solar powered charger - Solarpanel zur Ladeerhaltung- Kit solar de mantenimiento de carga - Солнечная панель для поддержания заряда в наборе с аксессуарами

Ref. **029163**

NEW 11/2013

PINCES - Clamps • Klemmen • Pinzas • Garras • Ακροδέκτες • Зажимы • 充电夹

40 A

● ● (x2) Ref.053106

200 A

● Ref.053502 ● Ref.053403

300 A

● Ref.053700 ● Ref.053601

600 A

● Ref.053779 ● Ref.053786

850 A

● Ref.053816 ● Ref.053793

COSSES BATTERIE - Battery Terminal - Polklemmen - Terminales batería - Accupool - Terminais de bateria - Πόλος μπαταρίας Контакты аккумуляторной - батареи - 电池端子

	ø 10 mm / 35 mm²		ø 13 mm / 50 mm²		ø 16 mm / 70 mm²
	x1 ⊕ & ⊖ 054400				
⊕	**x25** Ref.054431	**x25** Ref.054332	**x25** Ref.054417	**x25** Ref.054356	**x25** Ref.054370
⊖	**x25** Ref.054448	**x25** Ref.054349	**x25** Ref.054424	**x25** Ref.054363	**x25** Ref.054387

Quick Connector
ø 10 mm / 50 mm²
I max = 1000 A
Ref. 054455

FUSIBLES - Fuses - Sicherungen - Fusibles - Zekeringen - Fusíveis - Ασφάλειες - Плавкие предохранители - 保险丝

x10

10 A : 054530
15 A : 054493
20 A : 054509
25 A : 054516
30 A : 054523
40 A : 054554

for Gystart & Prostart (before July 2007)
100 A : 054486

x10

for Gystart & Prostart (after July 2007)
200 A : 054547
300 A : 054561

x2

AUTRES - Others - Andere - Otros - Outros - Άλλα - Разное - Другое par Разное - 其他

Protection anti-arc 12V • Anti-arc protection 12V • Lichtbogenschutz 12 V
• Protección anti-arco 12V • Piekspanningsbeveiliging 12V
• Protecção anti-faísca 12V
• Αντι-σπινθηρική προστασία 12V
• Защита против дуги 12В
• 12V 抗电弧保护

Ref. 041318

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

Ref. 054103

CE
CE NORM. 60335-2-29
MADE IN P.R.C.

CHOOSE YOUR BOOSTER

CHOISISSEZ VOTRE BOOSTER

	12 V							12 - 24 V			
	GYSPACK ONE	GYSPACK AUTO	GYSPACK AIR	GYSPACK PRO	GYSPACK 650	GYSPACK 750	GYSPACK 810	GYSPACK TRUCK	STARTPACK 12.24	GYSPACK PRO 12.24	ENERGY STATION
	025073	026230 025455	026322	026155	026254	026179	026278	025448	026285	026452	026148
	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V 24V	12 V 24V	12 V 24V	12 V 24V
START 1V/C	300 A	480 A	480 A	600 A	640 A	750 A	830 A	750 (12 V) 650 (24 V)	900 A (12 V) 700 A (24 V)	1300 A (12 V) 1200 A (24 V)	?
START CC	600 A	900 A	900 A	1100 A	1200 A	1450A	1700 A	1450 A (12 V) 1300 A (24 V)	1700 A (12 V) 1350 A (24 V)	2400 A (12 V) 2250 A (24 V)	
START PEAK	1000 A	1250 A	1250 A	1750 A	1800 A	2500 A	3100 A	3200 A (12 V) 1600 A (24 V)	3600 A (12 V) 1800 A (24 V)	6200 A (12 V) 3100 A (24 V)	
12V	12 Ah	18 Ah	18 Ah	22 Ah	16 Ah	26 Ah	30 Ah	2 x 22 Ah	2 x 16 Ah	2 x 30 Ah	—
	—	—	•	•	•	•	•	•	•	•	—
	—	•	•	•	•	•	•	—	—	—	•
	outside 0,5 A	outside 0,5 A	outside 0,5 A	outside 0,5 A	**inside 2,5 A**	outside 2 A	**inside 2,5 A**	outside 2 A	**inside 7 A**	**inside 7 A**	**inside 2 x 15 A**
		12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	—	—	—
	—	—	•	—	—	—	—	—	—	—	—
	—	—	•	•	—	•	—	•	—	—	—
	0,5 m ø16 mm²	0,5 m ø16 mm²	1,1 m ø25 mm²	1,1 m ø25 mm²	1,4 m ø25 mm²	1,3 m ø25 mm²	1,8 m ø35 mm²	1,8 m ø25 mm²	1,8 m ø35 mm²	1,8 m ø35 mm²	2,5 m ø50 mm²
	22 x 24 x 15	33 x 14 x 35	34 x 20 x 43	34 x 20 x 43	33 x 20 x 33	33 x 16 x 38	33 x 20 x 33	35 x 19 x 44	17 x 33 x 48	57 x 34 x 94	70 x 62 x 92
	6 kg	7 kg	8,9 kg	7,9 kg	11 kg	13 kg	15 kg	18 kg	23 kg	31 / 40 kg	36 kg +
								★ MINI PRO	★★★ PRO	★★★ ★★ UNIVERSAL PRO	

230V

ATTENTION HORS UTILISATION
Laisser le chargeur branché en permanence.

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

ACHTUNG AUSSER BETRIEB
Lader dauernd angeschlossen lassen.

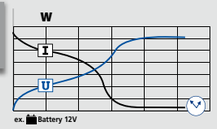
ATTENTION CUANDO ESTA APAGADO
Dejar el cargardor conectado permanentemente.

OPGELET BUITEN GEBRUIK
Laat de lader onafgebroken aangesloten.

BATTERIES DE DÉMARRAGE - Automotive batteries - Starterbatterien - Baterías de arranque - Automotive accu's - Baterias de Automóvel - Μπαταρίες οχημάτων - Пусковые батареи - 汽车启动电池

TRADITIONAL

W



Recommendation

LIQUID	LIQUID Calcium	LIQUID Silver AGM	START/STOP	GEL Sealed	OPTIMA maXXima
★	☆	☆	☆	☆	☆

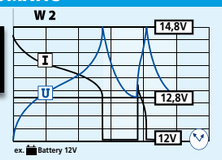
UNIVERSAL | MAINTENANCE | EASY USE | HIGH TECH

CT
Professional p.9

ENERGY
Consumer /Tourisme
p.4

AUTOMATIC

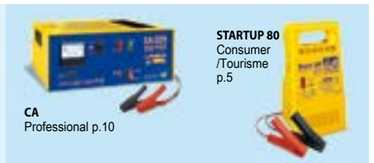
W2



Recommendation

LIQUID	LIQUID Calcium	LIQUID Silver AGM	START/STOP	GEL Sealed	OPTIMA maXXima
★	★	☆	☆	☆	★

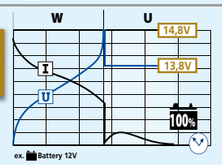
UNIVERSAL | MAINTENANCE | EASY USE | HIGH TECH



CA
Professional p.10

STARTUP 80
Consumer /Tourisme
p.5

WU



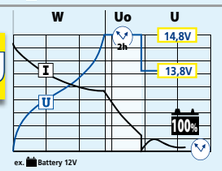
Recommendation

LIQUID	LIQUID Calcium	LIQUID Silver AGM	START/STOP	GEL Sealed	OPTIMA maXXima
★★	★	★★	★★	★★	★★

UNIVERSAL | MAINTENANCE | EASY USE | HIGH TECH

TCB
Consumer /Tourisme
p.4-5

WUoU



Recommendation

LIQUID	LIQUID Calcium Silver AGM	START/STOP	GEL Sealed	OPTIMA maXXima
★★★	★★★★	★★★★	★★★★	★★★★

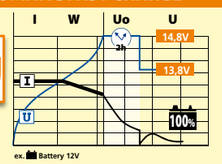
UNIVERSAL | MAINTENANCE | EASY USE | HIGH TECH

WATTMATIC
Professional p.11

BOOSTER
Professional p.24-26

AUTOMATIC FAST CHARGE

IWUoU



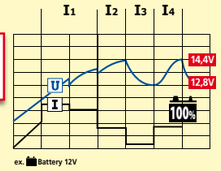
Recommendation

LIQUID	LIQUID Calcium Silver AGM	START/STOP	GEL Sealed	OPTIMA maXXima
★★★	★★★★	★★★★	★★★★	★★★★

UNIVERSAL | MAINTENANCE | EASY USE | HIGH TECH

BATIUM
Professional p.12-13

I·I·I



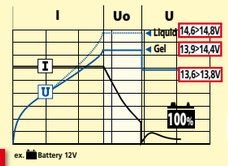
Recommendation

LIQUID	LIQUID Calcium Silver AGM	START/STOP	GEL Sealed	OPTIMA maXXima
★★	★★★	★★★	★★★	★★★

UNIVERSAL | MAINTENANCE | HIGH TECH

GYSTECH
Consumer /Tourism
p.6-8

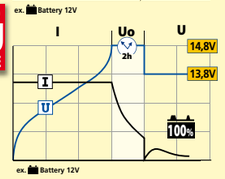
I REGULATED IUoU FAST CHARGE



Recommendation

LIQUID	LIQUID Calcium Silver AGM	START/STOP	GEL Sealed	OPTIMA maXXima
★★★	★★★★	★★★★	★★★★	★★★★

UNIVERSAL | MAINTENANCE | EASY USE | HIGH TECH



Recommendation

LIQUID	LIQUID Calcium Silver AGM	START/STOP	GEL Sealed	OPTIMA maXXima
★★★	★★★★	★★★★	★★★★	★★★★

UNIVERSAL | MAINTENANCE | EASY USE | HIGH TECH

GYSFLASH 4A/7A
Professional p.7

GYSFLASH 75-12/70-24 HF
Professional p.16-17

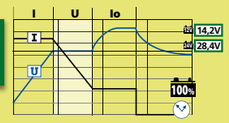
GYSFLASH 30.12/30.24 HF
Professional p.15-16

BATIUM 25/24
Professional p.12

BATTERIES DE TRACTION - Traction batteries - Traktionsbatterien - Baterías de tracción - Tractieaccu's - Baterias de Tracção - Μπαταρίες έλξεως - Тяговые батареи - 牵引用铅酸蓄电池

AUTOMATIC FAST CHARGE

IUIo

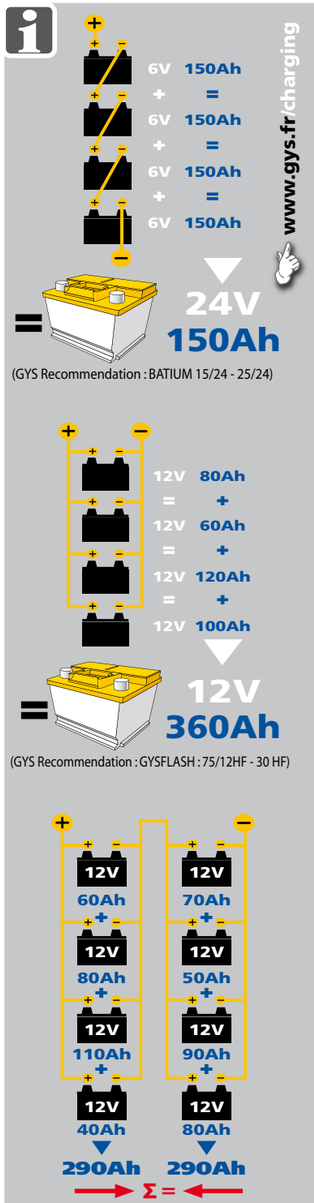


Recommendation

Traction batteries ★★★
High Technologie ★

GYSFLASH 70-24 HF
Professional p.16-17

BATIUM 25/24
Professional p.12



Conversion Chart / Table:

horse power to watts			watts to horse power		
hp	=	W	W	=	hp
0,1	=	73,5	100	=	0,1360
0,2	=	147,1	200	=	0,2719
0,3	=	220,6	300	=	0,4079
0,4	=	294,2	400	=	0,5438
0,5	=	367,7	500	=	0,6798
1	=	735,5	1000	=	1,3596
2	=	1471,0	2000	=	2,7192
3	=	2206,5	3000	=	4,0789
4	=	2942,0	4000	=	5,4385

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