




With a power output of 10A, the GYSFLASH 10.36/48 PL is a multi-voltage charger designed to recharge batteries of 36 V and 48 V found on many recreational vehicles (electric bicycles and trolleys, golf carts, etc.), forklifts or stationary «UPS» type devices (uninterrupted power supply). This charger is designed to charge Lead-acid (Gel, AGM, Liquid, etc.), Lithium-Iron Phosphate (LFP / LiFePO4) and «standard» Lithium-ion batteries (NMC, NCA, Li-Po, LCO, MCO, etc.). It features an 8-step smart charging curve.

## DUAL TECHNOLOGY: LEAD-ACID & LITHIUM

• High performance, duty cycle of 10A at 100% (30°C).

• 8 charging modes :

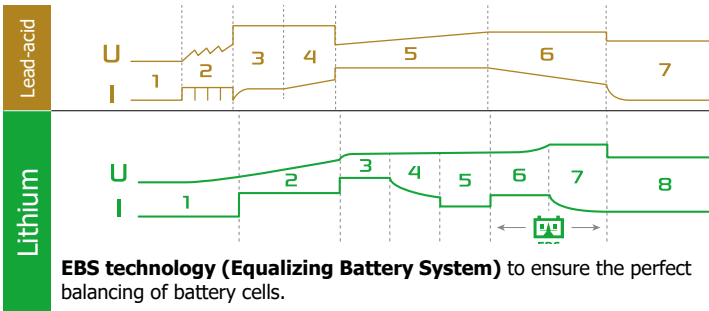
	Icon	Charging voltage	Description
<b>Pb</b> Lead-Acid		36V	43,8 V Battery charge 36V lead-acid type
		48V	58,4 V Battery charge 48V lead-acid type
<b>LiFePO4</b> Lithium		36V	43,2 V Battery charge 36V LiFePO4 type
		48V	54,0 V (15S) 58,0 V (16S) Battery charge Lithium-ion LFP with 15 or 16 cells in series
<b>LI-ION</b> NMC, NCA, Li-Po, LCO, MCO, ...		36V	41,5 V Battery charge 36V Lithium-ion «standard» type
		48V	54,0 V (13S) 58,0 V (14S) Battery charge lithium-ion «standard» with 13 or 14 cells in series



- In 48 V lithium charging mode, it is possible to choose between 58.0 V and 54.0 V charging voltages depending on the number of cells in series in the battery.
- Optimised charge maintenance, the charger can safely remain connected to the battery indefinitely.
- The «Auto Restart» function means that the charger will memorise the settings and restart automatically in the event of a power cut.
- Will charge deeply discharged batteries from as low as 5V.

## 100% AUTOMATIC CHARGE

- Extends the life and performance of lead, lithium (LFP) and lithium-ion batteries.
- External air temperature sensor will ensure a full charge of the battery taking into account the ambient temperature. The charger adjusts its charging parameters depending on ambient temperature.
- Feature to calibrate the charging leads for optimal battery recharge.



Specific **7 step charging curve** for each battery type. Can be safely left connected without supervision.

Specific charging curve featuring **8 steps without supervision.**

• **«UVP\* Wake up» function** : reactivates a battery in protection after a deep discharge and automatically starts the charge.

• **\*UVP : Under Voltage Protection**

## ULTRA-SAFE

- Comprehensive protection: protection against short circuits, polarity reversal and overload. Spark prevention system.
- Automatic stand-by mode if the battery is disconnected.
- Integrated temperature sensor to prevent the internal electronics from overheating.
- Lockable interface to prevent misuse.

## ERGONOMICS

- Compact design, light and portable.
- Cable connection with quick connector.
- Can be wall mounted, optional magnetic system available (ref. 026063).

Supplied with :



50/60 Hz	500 W	I <sub>charge</sub>	V	Charge / Maintenance	Z <sub>z</sub>	Ondulation/ Ripple	Charging curve	kg	mm	mm	SOS recovery	IP	1,9 m
220-240 V AC	500 W	10 A	36 V	20 > 230 Ah (Pb) 10 > 230 Ah (Li)	<0.4 Ah /month	<150 mV Rms	I <sub>U</sub> U	1,85	190 x 190 x 73	193 x 260 x 95	Automatic >2V	IP 32 IP 31	1,9 m
		8 A	48 V	15 > 160 Ah (Pb) 8 > 160 Ah (Li)			7 step (Pb) 8 step (LiFePO4)						