

The GYSFLASH 18.12 PL-E benefits from an innovative design entirely dedicated to the recharging of utility batteries found in leisure vehicles (camper vans, caravans...) and pleasure craft. This 18A charger integrates three charging curves for 12V Lead/liquid, Lead/AGM and Lithium-Iron Phosphate (LiFePO<sub>4</sub>) batteries, guaranteeing quality and respect for the battery.



## HIGH-PERFORMANCE TECHNOLOGY

- **High efficiency**, duty cycle of 18 A at 100% (25°C): the charger retains all its power during the use phase. Energy consumption is reduced by 15%.
- **With PFC (Power Factor Correction) technology**, the power grid is better exploited. The absorbed current is cleaner and generates a saving of 22% compared to a standard charger.

## THE DESIGN IS ERGONOMIC, ROBUST AND QUIET

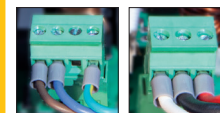
- **Fanless technology**: no external ventilation, silent charger without dust infiltration. This ensures that the electronics remain protected from any external pollution.
- Robust and compact **aluminium casing**. The charger is shock and corrosion resistant.
- Simple and intuitive interface.
- Mounting on vertical wall.

## OPTIMAL AND GENTLE CHARGING OF THE BATTERY

- Extends the life and performance of Lead (AGM, liquid, etc.) and Lithium (LFP) batteries.
- Automatically compensates for the requirements of the electrical appliances.
- **3 charging modes**:
  - Liquid Lead: for charging 12 V lead-acid batteries from 12V to 270 Ah.
  - Lead/AGM: for charging 12V AGM lead-acid batteries from 36 Ah to 270 Ah.
  - LiFePO<sub>4</sub>: for charging Lithium-Iron Phosphate batteries from 18 Ah to 270 Ah.



- Comes with:
- 2 screw terminals
  - cable ferrules

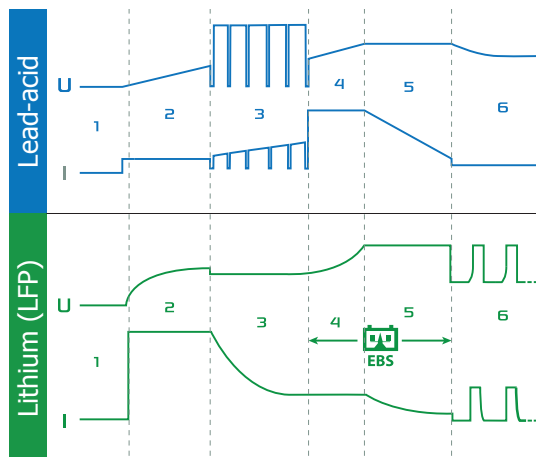
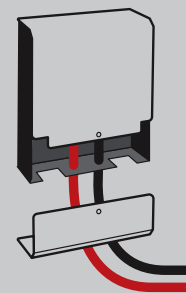


### Vertical wall mounting included



### OPEN & CONNECT

Ø 2.5 mm<sup>2</sup> max  
cables non  
included



### Intelligent lead (liquid / AGM) charge curve

- Recovery of heavily discharged or sulphated battery cells (SOS recovery)
- Optimised service life thanks to 100% charging
- Safe load holding during winter storage
- Total protection of the on-board electronics and the user

### Lithium charging curve takes care of the cells

- Perfect balancing of all battery cells thanks to the unique «EBS» (Equalizing Battery System) technology. A phase that takes into account, in particular, the system of battery management system called «BMS» (Battery Management System)
- Maintaining an adapted load with regular rebalancing
- Reactivation of the batteries entered in protection following a deep discharge, thanks to the «UVP Wake Up» system (Under Voltage Protection)

## ULTRA-SECURE

- **Protection of the vehicle's on-board electronics**: protection against short circuits, polarity reversal and overcharging. Spark prevention system.
- **No output voltage** if the battery is not connected.
- **Integrated temperature sensor** to prevent internal electronics' overheating.
- **Complies with all current European standards** in terms of safety and Electromagnetic Compatibility (EMC).
- **Anti-starting signal** indicating to the vehicle that the charger is connected to the power supply.

50 / 60 Hz	⚡	I <sub>charge</sub>	V	Charge / Maintenance	Zz	Ondulation / Ripple	Charging curve	kg	25°C @100%	40°C @100%	50°C @100%	mm	SOS recovery	IP	
220-240 V AC	300 W	18 A	12 V	Pb 36 – 270 Ah LiFePO <sub>4</sub> 18 < 270 Ah	<0.5 Ah/month	<100 mV Rms	IU <sub>0</sub> U	6 step	1,3	18A	16A	14 A	215 x 175 x 70	Automatic >2V	IP 20