

GYSFLASH 8.48 PL-E

(on-board charger)

Ref. 025950

The GYSFLASH 8.48 PL-E has an innovative design, which is entirely dedicated to charging:

- batteries used in heavy goods vehicles, buses and marine applications,
- traction batteries (scrubber-driers, pallet trucks, etc.),
- batteries for electromobility vehicles (electric bikes/scooters, golf carts, etc.).

This 8 A charger features two charging curves for 48 V lead-acid and lithium batteries, delivering a high quality charge and ensuring battery preservation.

HIGH-PERFORMANCE TECHNOLOGY

- High efficiency, 100% duty cycle at 8 A (25°C): the charger maintains full power throughout operation. Energy consumption is reduced by 15%.
- With PFC (Power Factor Correction) technology, the power supply is better utilised. The absorbed current is significantly cleaner, resulting in savings of 22% compared with a standard charger.

THE DESIGN IS ERGONOMIC, ROBUST AND QUIET

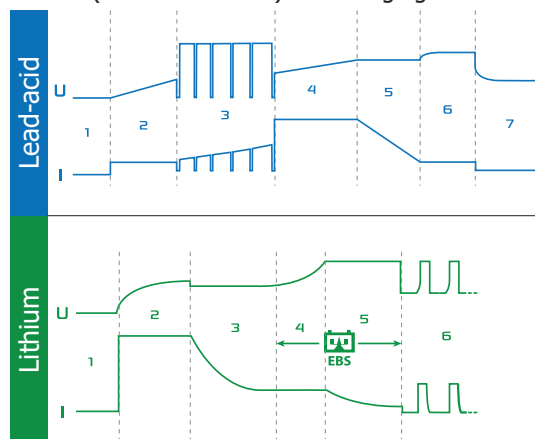
- Fanless technology: no external ventilation, silent charger with no dust ingress. The electronics remain protected from any external pollution.
- Robust and compact aluminium casing. The charger is shock and corrosion resistant.
- Simple and intuitive interface.
- Vertical wall mounting.

OPTIMAL, BATTERY-FRIENDLY CHARGING

- Extends the service life and performance of lead-acid batteries (AGM, liquid-gel, etc.) and lithium batteries (LiFePO4 and «standard» lithium-ion): NMC, NCA, Li-PO, LCO, MCO, etc.).
- Automatically compensates for the consumption of electrical appliances.
- 8 charging modes :
 - Pb/Liquid-Gel: for charging 48 V lead-acid batteries from 15 Ah to 160 Ah.
 - Pb/Liquid-Gel-traction: for charging 48 V lead-acid/gel traction batteries from 15 Ah to 160 Ah.
 - Pb/AGM: for charging 48 V AGM lead-acid batteries from 15 Ah to 160 Ah.
 - Pb/AGM-traction: for charging 48 V lead-acid traction batteries from 15 Ah to 160 Ah.
 - LFP (15 elements in series): for charging 48 V Lithium Iron Phosphate batteries from 8 Ah to 160 Ah.
 - LFP (16 elements in series): for charging 48 V Lithium Iron Phosphate batteries from 8 Ah to 160 Ah.
 - Li-ion (15 cells in series): for charging 48 V Lithium-Ion batteries from 8 Ah to 160 Ah.
 - Li-ion (16 cells in series): for charging 48 V Lithium-Ion batteries from 8 Ah to 160 Ah.



- Supplied with:
- 2 screw terminal blocks
 - cable terminals



Intelligent lead-acid charging curve (Liquid-Gel / AGM)

- Cell recovery from heavily discharged or sulphated batteries (SOS Recovery)
- Optimised service life through 100% charging
- Safe maintenance charge during winter storage
- Total protection of on-board electronics and the user
- «Traction» charging mode with a specific step for 48 V lead-acid AGM-traction or Liquid/Gel-traction batteries.

Lithium charging curve that protects the cells

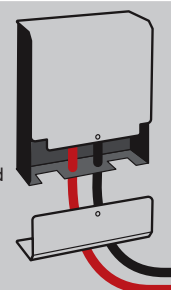
- Perfect cell balancing for all battery cells through a unique «EBS» technology (Equalizing Battery System). A phase that includes a specific battery control mechanism called the «BMS» (Battery Management System).
- Maintain a suitable charge with regular rebalancing
- Reactivation of batteries that have been put into protection following a deep discharge, using the «UVP Wake UP» function (Under Voltage Protection)

Vertical wall mounting included



OPEN & CONNECT

Ø 2.5 mm² max
cables not included



ULTRA-SAFE

- Protects the vehicle's on-board electronics: protection against short-circuit, reverse polarity and overload. Spark prevention system.
- No output voltage if there is no battery 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 mains.

50/60 Hz	500 W	Charge	48 V	Charge / Maintenance	Zz	Ondulation/ Ripple	Charging curve	kg	25°C @100%	40°C @100%	50°C @100%	60°C @100%	mm	SOS recovery	IP
220-240 V AC	500 W	8 A	48 V	Pb 15 < 160 Ah Lithium 8 < 160 Ah	<0.5 Ah/month	<100 mV Rms	I _U U	1,6	8A	6A	4.5 A	3.5 A	215 x 175 x 80	Automatic >2V	IP 20