

The GYSFLASH 15.24 PL-E benefits from an innovative design entirely dedicated to charging:

- service batteries found in heavy goods vehicles, buses or the navy,
- traction batteries (floor scrubber or pallet truck...)
- batteries for means of transport linked to electromobility (electric bikes / scooters, golf carts...).

This 15 A charger integrates two charging curves for 24 V Lead and Lithium batteries guaranteeing quality and respect for the battery.

## HIGH-PERFORMANCE TECHNOLOGY

- **High efficiency**, duty cycle of 15 A at 100% (30°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 (LiFePO4 and «standard» Lithium-ion: NMC, NCA, Li-PO, LCO, MCO, etc.) batteries.
- Automatically compensates for the requirements of the electrical appliances.

### 6 charging modes:

- Pb/liquid: for charging 24 V liquid lead batteries from 30 Ah to 240 Ah.
- Pb/liquid-traction: for charging 24 V liquid-lead-traction batteries from 30 Ah to 240 Ah.
- Lead/AGM: for charging 24V AGM lead-acid batteries from 30 Ah to 240 Ah.
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- LiFePO4: for charging Lithium-Iron Phosphate batteries from 15 Ah to 240 Ah.
- Li-ion: for charging Lithium-ion batteries from 15 Ah to 240 Ah.



Comes with:

- 2 screw terminals
- cable ferrules

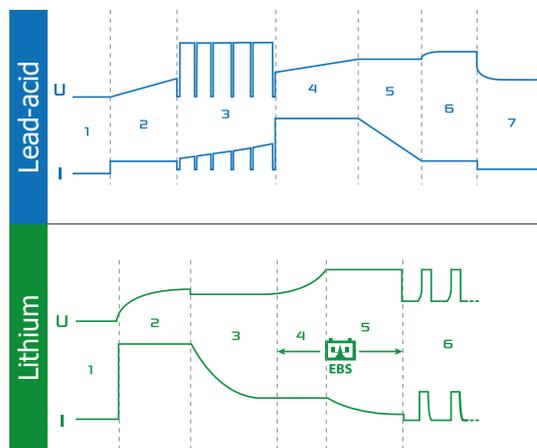
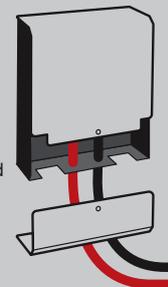


Vertical wall mounting included



OPEN  
&  
CONNECT

Ø 2.5 mm² max  
cables not included



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

- Recovery of heavily discharged or sulphated battery cells (SOS Recovery)
- Optimisation of service life thanks to 100% loading
- Safe load holding during winter storage
- Total protection of the on-board electronics and the user
- Traction» charging mode incorporating a specific stage for 24 V lead-acid AGM-traction / Liquid traction batteries.

### 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 mains.

50 / 60 Hz	⚡	I <sub>charge</sub>	24 V	Charge / Maintenance	Zz	Ondulation / Ripple	Charging curve	kg	30°C @100%	40°C @100%	50°C @100%	mm	SOS recovery	IP
220-240 V AC	500 W	15 A	24 V	Pb 30 – 240 Ah LiFePO <sub>4</sub> 15 < 240 Ah	<0.5 Ah / month	<100 mV Rms	I <sub>U</sub> U	1,6	15A	13,5A	11,5 A	215 x 175 x 80	Automatic >2V	IP 20