

Battery charger and trickle-charger EL24

- 24 V / 8 A -

Fire brigades and rescue vehicles needs to be operational at any time.

This includes the functioning starter battery as well as the installed batteries in the vehicle for additional equipment (searchlight, radio equipment, etc.)

All battery types are stressed by the intensive use, long standstill periods and permanent electrical loads, as well as a negative energy balance of rescue vehicles. In addition lead batteries are subject of self-discharge, even when they are not connected.

Due to the charge after operation and subsequent trickle charge, the batteries remain operational and extend their life span.

The battery charger and trickle-charger EL24 has been developed to meet these special requirements.

Product description

- Fanless device – maintenance-free!
- Battery charger and trickle-charger with 24V in dust-tight and water-jet proof aluminum housing IP65.
- Microprocessor-controlled 8A-charge and max. 1A-trickle-charge by intermittent current for all battery types.
- Automatic start of the charging process after connecting the vehicle
- Variants:
 - EL24i for wall or ceiling mounting with clearly visible status display.
 - EL24F for installation for mounting in the vehicle with heat sink.
 - Both variants also available for 12V (EL12i or EL12F).



EL24i for wall or ceiling mounting

The sturdy battery charger and trickle-charger convince with high-quality workmanship and its eye-catching design.

Technical data

Manufacturer's designation:	EL24i.1000 (for wall or ceiling mounting) EL24F.1000 (for vehicle mounting)
Mains voltage:	230VAC
Output voltage pre-charging:	28.8VDC (constant voltage at 20°C)
Output current main charge:	8A (constant current)
Output voltage main charge:	28.8VDC (constant voltage at 20°C)
Output current trickle-charging:	max. 1A (constant current)
Battery capacities:	recommended from 16Ah to 160Ah, depending on battery type and application
Safety features:	<ul style="list-style-type: none">- reverse polarity and short circuit protection- overheating protection through integrated temperature sensor- electronic safe, no retroactive effect to the vehicle electrical system
Indication LEDs:	EL24i: 5 LEDs for „Mains“, „Charge“, „trickle Charge“, „Voltage <25,4V“ and „Fault“ EL24F: external display with multi-colored LEDs in the own housing or integrated in Rettbox® (optional)
Battery types:	all types of lead-acid batteries (wet, maintenance free, AGM, Gel)
Protection:	IP65
Ambient temperature:	-25 to +55 °C output voltage will be reduced at higher ambient temperature
Dimensions (H x W x D in mm):	EL24i: 160 x 240 x 82 EL24F: 160 x 240 x 108
Weight:	EL24i: 3.3kg EL24F: 4.0kg
Mains cable:	5m with safety plug (SCHUKO)
Charging cable:	5m length with open cable end, further options on request
Accessories:	We recommend Rettbox® from MARECHAL®.



EL24F for vehicle mounting

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