

ELOGIC INTELLIGENT DC-DC BATTERY CHARGER

FEATURES

- Vehicle EURO 5/6 Norm charger
- Correct charging secondary battery
- Protects alternator when charging lithium batteries
- Variable speed fan for low noise operation
- Simple intuitive LED indicators show the charger's status
- Fully programmable through Samlex QuickLink interface
- Remote on/off input (engine run)
- BMS control input
- Open collector status output
- Protected against high temperature, short circuit, high/low input voltage and reverse polarity
- Very easy installation
- Temperature sensor included
- CE certified
- 24 month warranty



50 AMPS

APPLICATIONS

- Standard and EURO5/6 Norm. Vehicles

TECHNICAL SPECIFICATIONS

Model	EL 12-12/50
Nominal input voltage	12Vdc
Input voltage range	10.0 – 16.0Vdc
Maximum input current	65Adc
Current consumption (inactive)	< 0.25mA
Current consumption (noload/standby)	< 35mA
Nominal output voltage	12Vdc
Output voltage range	12.0 – 16.0Vdc
Maximum output current ¹⁾	50A
Charge characteristic	IUoUo, intelligent 3-stage, temp. Compensated
Supported battery types ²⁾	Flooded / Gel / AGM / LiFePO4
Operating temperature range	-20°C ... +60°C
Storage temperature range	-30°C ... +70°C
Cooling	Variable speed fan
Communication port	Samlex QuickLink
Temperature sensor port	Yes (sensor included)
Engine run / activate input port	Yes (> 2.0Vdc = Active and < 1.0Vdc = Inactive)
BMS input port	Yes (> 3.0Vdc = Standby and < 1.0Vdc = Active)
Status output port	Yes (open drain, 32Vdc / 150mA max, five assignable status types)
Protections	High/low input voltage, high temperature, output short circuit and reverse battery polarity (input + output)

Note : the given specifications are subject to change without notice.

TECHNICAL SPECIFICATIONS

Indications	Input status, output (charge-) status, error
External Input Side (Inline with "Input+ Terminal)	Fuse 70 - 90 A
External Output Side (Inline with "Output+ Terminal)	Fuse 60 - 80 A
Battery connections	3x M6 screw terminal
Enclosure body size (HxWxD)	70 x 128 x 170mm
Total weight	1.2kg
Protection class	IP21
Standards	EMC: 2014/30/EU, Low voltage directive: 2014/35/EU, RoHS: 2011/65/EU, Automotive: EN50498 („E" pending)

¹⁾ Maximum output current tolerance is +/-10%. Automatic output current derating at Temperature ambient > 40°C. Value is programmable.

²⁾ Selectable by DIP switch. All standard charge voltages can also be modified by the Samlex Dashboard application.

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