

24Vcc 12A Battery Charger

EN 54-4

INDICATORS

- **MAINS FAULT** - Failure of the mains power supply
- **BATTERY FAULT** - Failure of the battery
- **OUTPUT** - Failure of at least one of the outputs

DESCRIPTION

The SON 24V 12A MS150 battery charger unit, characterized by low energy consumption, ensures continuity of service through built-in features:

- Control of the battery and its circuit: protection, management, self-diagnostic.
- Real-time monitoring of system status: interface of mains, charger power supply, and battery information with remote reporting via dry contacts.
- Product dimensioned to operate 24/7 at rated power.

Quick and easy installation, user-friendly operation:

- Connection diagram on the back of the cover.
- Screw terminals, suitable for cable sizes larger than those recommended by standards.
- Easier handling with plug-in connections for alarm reports.
- Easy wiring with two load outputs that allow for an increased number of applications.
- Wide choice of installation locations owing to its compact size and noiseless operation.
- No preventive maintenance: continuous monitoring of the emergency power supply with local display and remote reporting.



TECHNICAL SPECIFICATIONS

GENERAL

N° of main outputs @24Vdc (nominal)	A	6 x 40 (typically, for the amplifiers)
N° of secondary outputs @24Vdc (nominal)	A	3 x 5 (typically, for the control units)
Main voltage	Vca	230 ± 15% (195 ÷ 264)
Frequency	Hz	47 ÷ 63
Power absorbed / Efficiency	W	380 / 87% at full load
Efficiency at 20% of load		82%

OUTPUTS

Floating voltage set at half load and 25°C	V	27.2
Nominal output rectifier current	A	12

BATTERY

Min battery capacity	Ah	65 with jumper in "50" position / 110 with jumper in "75" position
Max battery capacity	Ah	225
Low voltage disconnection threshold	V	21.6V ± -3%
Internal impedance threshold of the battery fault	mΩ	20 ± -10% with jumper in "50" position / 13 ± -10% with jumper in "75" position

CONNECTIONS

Power supply		25 mmq. plug-in (IEC 320) and lockable
Main output		16 mmq. plug-in and lockable
Auxiliary outputs		2.5 mmq. plug-in
Battery connection		50 mmq.
Alarm outputs		1.5 mmq. plug-in
Temperature sensor		1.5 mmq. plug-in

MECHANICAL SPECIFICATIONS

Code		40235
Net dimensions		19" rack, 2U height, connections on the back side
Depth without / with connectors	mm inch	344 / 399 13.54 / 15.7
Net weight	kg lb	5 11.02