



InteliCharger 240 24

Order code: ICHG-240 24

Automatic Battery Charger

Datasheet


Product description

The IntelliCharger 240 24 is an advanced, automatic, multi-stage battery charger using “Switched mode technology” and “Battery care technology”, suited to meet the most advanced requirements of battery manufacturers.

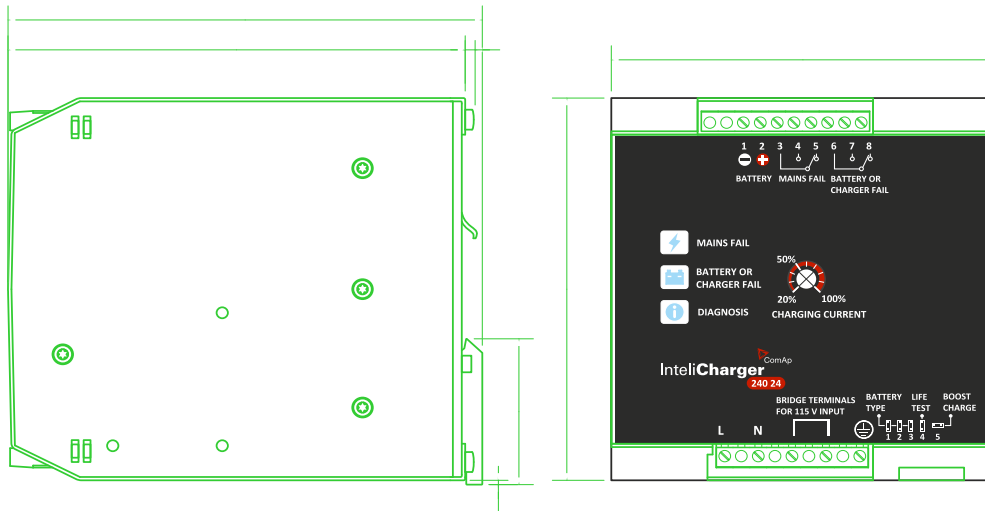
Key features

- ▶ 24 V / 10 A nominal output
- ▶ Adjustable voltage and current output
- ▶ Switchable AC input range
- ▶ Automatic battery status diagnosis
- ▶ Microprocessor controlled charging algorithm
- ▶ Four charging stages
 - Recovery/Bulk/Absorption/Float
- ▶ Blink code diagnostic LED
- ▶ Fail alarm relays
 - discharged or damaged battery and charging fail signaling
 - Mains power input fail signaling
- ▶ Charger can be used as a standalone power supply
- ▶ Passive cooling
- ▶ DIN rail mounting

Certifications and standards

EN 60950 (VDE 0805)	61000-6-4
EN 50178 (VDE 0160)	EN 61000-6-3
EN 60950	EN 61000-3-2
SELV EN 60950-1	EN 60204-1
PELV EN 60204-1	EN 60335-2-29 Battery chargers
EN 61000-4-2	Electrical safety EN54-4
EN 61000-4-3	89/336/EEC EMC Directive; 2006/95/EC (Low Voltage)
EN 61000-4-4	DIN41773 (Charging cycle)
EN 61000-4-5	Emission: IEC 61000-6-4
Immunity: IEC 61000-6-2	
This product is CE compliant	

Dimensions, terminals and mounting



Note: Dimensions are in mm.

Technical data

Operating conditions

Operating temperature	-30 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Operating humidity (25 °C)	95 %
Protection degree	IP20
Protection	class I (with PE connected)
Cooling	Auto Convection

Protections

Short-circuit protection	YES
Overload protection	YES
Overvoltage output protection	YES
Reverse battery polarity protection	YES
Detection of element in short-circuit	YES
Thermal protection	YES
NO-NC contact	YES

Input parameters

Nominal input voltage	115 / 230 V _{AC}
Input voltage range	90–135 / 180–305 V _{AC}
Inrush current (V _N and I _N load)	≤ 16 A, ≤ 5 ms
Frequency	47–63 Hz ± 6 %
Input current (115 / 230 V _{AC})	3.3 / 2.2 A
Internal fuse	6.3 A
Recommended external fuse	16 A (MCB curve B)

Output parameters

Output V _{DC} / I _N	24 V _{DC} / 10 A
Efficiency (50 % of I _N)	≥ 88 %
Ripple voltage	≤ 80 mV _{PP}

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