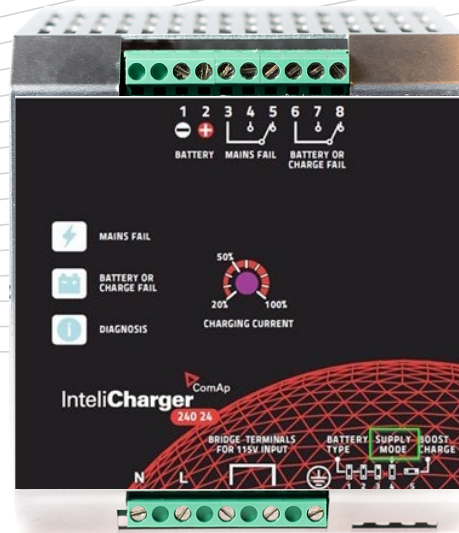


InteliCharger 240 24



Order code: ICHG-240 24

Automatic Battery Charger

Datasheet

Product description

The InteliCharger 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.

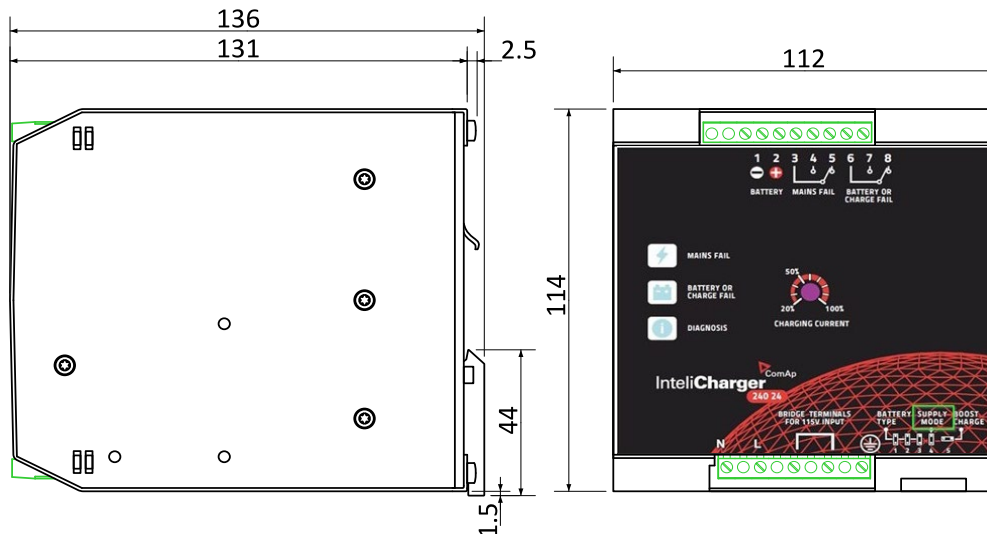
Key features

- ▶ 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
- ▶ Power Supply Mode

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 | CE |

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} |

