

Battery Charger

LEBC1210A



12V-10A

FEATURES

- AC input range : 170~270V AC
- Protection : Input Over voltage, Output Over load, Over voltage, Short circuit
- Battery Reverse Polarity Protection
- Cooling by free Air
- Charge battery from zero volts
- Draws zero current from the battery
- Low stand by power consumption
- High Efficiency
- Special design for charging lead acid battery

INPUT SPECIFICATIONS

| | |
|----------------------------|----------------|
| AC Input Voltage | 170~270VAC |
| AC Input Current | 1A/230V AC |
| AC Input Voltage Frequency | 47~63Hz |
| Max Inrush Current | 35A COLD START |
| Leakage Current | <2mA/230V AC |

OUTPUT SPECIFICATIONS

| | |
|--------------------------------|---|
| Output Voltage | Float Mode : 13.3V to 13.5V DC , Boost Mode : 13.8V to 14V DC |
| Charging Current in Float Mode | 0A to 3A |
| Charging Current in Boost Mode | 3A to 10A |
| Line Regulation | +/- 1% |
| Load Regulation | +/- 2% |
| Ripple / Noise | 150mVp-p |
| Stand by Power Consumption | 3W |
| Indicator | Mains On, Float Mode, Boost Mode, Battery Reverse |

PROTECTION

| | |
|---------------------------------------|--|
| Input Over Voltage | Cutoff at 300V AC |
| | Turn on at 290V AC |
| Short Circuit | Shut Down Output Voltage, Recover Automatically after fault condition is removed |
| Over Load | Protected |
| | Protection type : Constant Current mode |
| Output Over Voltage | 15V DC |
| Externally Induced Over Voltage | Protected |
| Battery Reverse Polarity | Protected |
| Current drawn by Charger from battery | Zero Current under any circumstances |
| Annunciation | Potential free NO/NC contact for charger ON/Fail indication |
| Isolation between | Output & Earth : 1000V AC |
| | Input & Output : 3000V AC |
| | Input & Earth : 1500V AC |

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ENVIRONMENT

| | |
|------------------------|---------------------------------------|
| Storage Temp./Humidity | -40 ~ +85°C, 10~95% RH |
| Working Temp./Humidity | -20 ~ +50°C, 20~95% RH non-condensing |

MECHANICAL DIMENSION

| | |
|----------------------|--|
| Case Chassis / Cover | Sheet Metal Enclosure |
| Dimension | 187 x 60 x 128mm LWH (± 1.0 mm Tolerance) |
| Weight | 1.3kg |
| Mounting | Wall mounting type |

Note :

1. Instruction for Installation in a pollution degree 2 environment. \square Equipment of overvoltage category II
2. Ripple & Noise are measured at 20MHz by using 300mm twisted pair of load wires terminated with 0.1uF, 100V Film Capacitor parallel with 47uF Electrolytic Capacitor

MOUNTING DRAWING

