



LABC14-12V Charger

12V Lead-Acid Battery Smart Charger

INPUT SPECIFICATIONS

All specifications are typical at nominal input, full load.

INPUT SPECIFICATIONS

| | |
|-----------------|--|
| Input Voltage | AC 100 – 264VAC |
| Input Frequency | 50 – 60Hz |
| Protection | Reverse Polarity, short circuit |
| Battery Size | 12 volt SLA, VRLA, Gel, AGM or flooded |

OUTPUT SPECIFICATIONS 6V /12V

| | |
|------------------------|-----------------------------------|
| Charge Voltage Limited | 14.5V |
| Float Charge Voltage | 13.6V |
| Charging Current | 0.8 amp |
| Battery Types | All types 12V lead acid batteries |

Charging Algorithm Auto 3 Stages

| | |
|------------------|--|
| Constant Current | Stage 1 Constant current 0.8 amp Battery voltage must be above 4V |
| Constant Voltage | Stage 2 Constant voltage 14.5V |
| Floating | Stage 3 Float charge 13.6V |

| | |
|-----------------|---|
| LED Indications | Pwr on, no battery connected –Green Charging – Red Charged - Flashing Green Charge/Float charging – Green Dim Reverse polarity – Red and Green flashing |
|-----------------|---|

GENERAL SPECIFICATIONS

| | |
|------------------|---|
| MTBF(Calculated) | 30,000 Calculated hours at 25°C by MIL-HDBK-217F |
| Hi pot, ESD | 3,000V, 1 minute ESD 8000V |



FEATURES

- UNIVERSAL INPUT (AC100-240V)
- CONSTANT CURRENT/VOLTAGE,
- REVERSE POLARITY INDICATOR
- SHORT CIRCUIT PROTECTION
- 3 STAGE AUTO CHARGING

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------|---------------|
| Operating Temperature | -10°C~+40°C |
| Storage Temperature | -40°C ~ +70°C |
| Cooling. | Convection |
| Operating Humidity | 20 – 80% Rh |
| Storage Humidity | 10 – 90% Rh |

MECHANICAL SPECIFICATIONS

| | |
|---------------------|-----------------------|
| Case Dimension | L81 x W51 x H28(mm) |
| Input Configuration | Fixed cord 2 pin USA |
| Output Connector | 5.5 x 2.1 x 11.0mm C+ |
| Weight | 150 grams |



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Mechanical Drawing:

