



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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
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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:

