



Dimensions: 150(L)x153(W)x59(H)mm

Features:

- Convection cooled
- RoHS compliance
- 3 - year warranty
- Over voltage protection
- Over current protection
- Short circuit protection
- 3-stage charging control
- Reverse polarity protection
- Sparkle free design
- Built-in MCU with smart charging control

General Specifications

INPUT

Input voltage.....100~240VAC/120~370VDC
 Input frequency47~63Hz
 Inrush current22A/115VAC
 (Cold start) 44A/230VAC

OUTPUT

Temp. Coefficient±0.04% / °C
 Over voltage protectionAutorecovery
 Overload protection Current limited
 Short circuit protection..... Autorecovery

EMC STANDARDS

EN 55011	Class B
EN 55022	Class B
EN 61000-4-2	Level 3
EN 61000-4-3	Level 3
EN 61000-4-4	Level 3
EN 61000-4-5	Level 3
EN 61000-4-6	Level 3
EN 61000-4-8	Level 3
EN 61000-4-11	Level 3

SAFETY STANDARDS



EN 60335 (Meet)



UL 60335 (Meet)

ENVIRONMENTAL

Operating temperature: -20°C ~ 40°C ambient, derating each output at 2.5% per degree from 40°C to 60°C
Operating humidity: Non-condensing, 5% ~ 95%RH.
Vibration: Random vibration, 10Hz ~ 100Hz, 3axise.
MTBF: 60,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

EPS 150W Series

150Watts, Lead-Acid battery charger

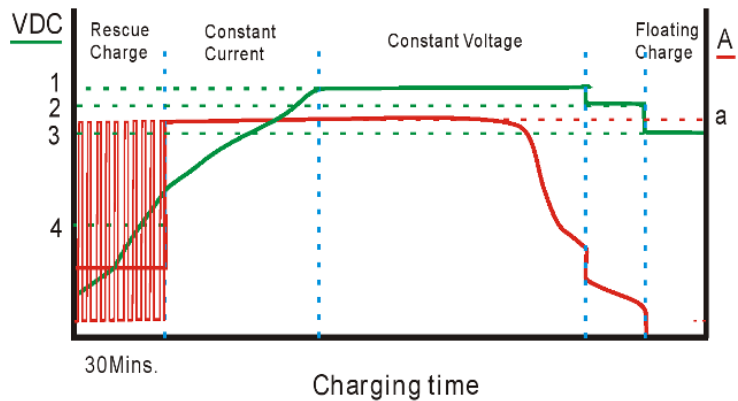
Output Specifications

Model	Charging voltage		Charging current (A)	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
	Boost	Float					
EPS1210	14.7VDC	13.8VDC	10A Max.	±1%	±1%	82%	15~17VDC
EPS2405	29.4VDC	27.6VDC	5A Max.	±1%	±1%	83%	32~35VDC
EPS4803	58.8VDC	55.2VDC	3A Max.	±1%	±1%	84%	64~70VDC

- NOTE:**
1. Line regulation is measured from low line to high line at rated load.
 2. Load regulation is measured from 20% to 100% of rated load at 230VAC input.
 3. Efficiency is measured at rated load and 230VAC input.

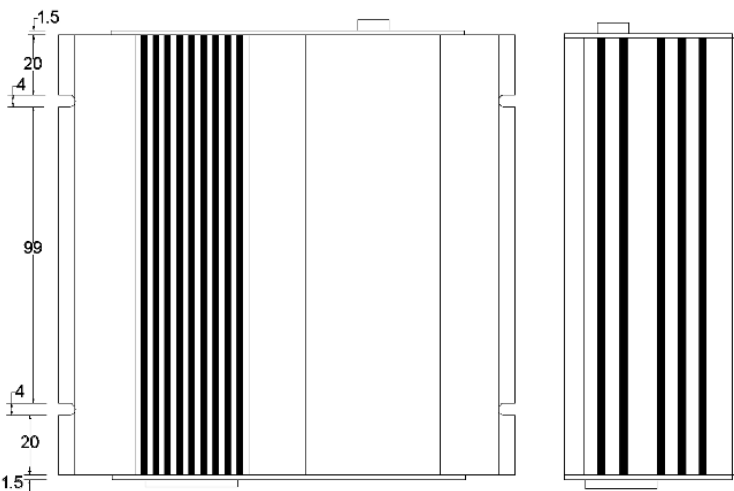
Charging curve

Code	Type	12V	24V	48V
		a (A)	10.0	5.0
1 (VDC)		14.7	29.4	58.8
2 (VDC)		13.8	27.6	55.2
3 (VDC)		8.0	16.0	32.0



Mechanical Details

Note: This phase is only executed if the battery voltage is less than 1.9 volts/cell.



Case No: AE1150C
 Material: Aluminum (Extrusion)
 Dimensions: 150(L)x153(W)x59(H)mm
 Input connection: IEC320 C14 socket
 DC output cable: 1.2m, 14 AWGx2 + alligator clip