

SMART BATTERY CHARGER

SPECIFICATION

MODEL

BCSA4810A

INPUT

I/P 230V AC, 1-Ph, 40-60Hz
 Range 180-270V AC
 Fuse Protection.
 I/P MOV
 Soft Start
 Inrush current 92A@230V AC

OUTPUT

Nominal Battery Voltage 48V DC
 Float Voltage 54V
 Boost Voltage 57.6V
 Top up Voltage 62.4V(only for Lead acid battery)
 Manual -Voltage adj. 48-66V
 Current 10A (adjustable 2.5-10A)
 Line Regulation +/- 1%
 Load Regulation +/- 1%
 Ripple +/- 1% (P-P)
 Protections a) Overload Protection auto recovery type.
 b) Short circuit protection auto recovery type.
 c) OVP Protection Latching type.
 d) Reverse Polarity by fuse & MCB.
 Current Limit Yes

ENVIRONMENTAL

Operating temperature upto 50⁰ C.
 Humidity < 95% Rh
 IP 21 Protection

GENERAL

Digital Voltmeter & Currentmeter provided
 Input and output MCB provided
 Auto / Manual switch provided

Jumper provided to select the battery type – SMF/ Lead Acid
 Potential Free Contact – Alarm contact

Isolation Input to Output – 1.5KV
 Input to Earth – 1.5KV
 Output to Earth- 500V
 MTBF 50K Hrs to MIL

INDICATIONS LED

a) Float
 b) Boost
 c) Equalizer
 g) Top up

MECHANICAL

Dimension 260(W) X 155(D) X 220(H)mm
Cooling type Fan
Weight 5.5 Kgs

OPTIONAL

Load and Battery Terminal separate.

