

## 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 50<sup>0</sup> 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) Equiliser  
 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.