

## SMART BATTERY CHARGER

### SPECIFICATION

<b>MODEL</b>	BCSA11010A
<b>INPUT</b>	
I/P	230V AC, 1-Ph, 40-60Hz
Range	180-270V AC
Fuse Protection.	
I/P MOV	
Soft Start	
Inrush current	23A@230V AC
<b>OUTPUT</b>	
Nominal Battery Voltage	110V DC
Float Voltage	123.75V
Boost Voltage	132V
Top up Voltage	143V(only for Lead acid battery)
Manual –Voltage adj.	110-150V
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
<b>ENVIRONMENTAL</b>	
Operating temperature upto 50 <sup>0</sup> C.	
Humidity	< 95% Rh
IP 21 Protection	
<b>GENERAL</b>	
Digital Voltmeter & Currentmeter provided	
Input and output MCB provided	
Auto / Manual switch provided	
Jumper provided to select the battery type – SMF/ Lead Acid	
Built in Power Factor Correction	
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
- d) Top up

**MECHANICAL**

Dimension 380(W) X 180(D) X 300(H)mm  
Cooling type Fan  
Weight 9 Kgs

**OPTIONAL**

Load and Battery Terminal separate.