

## SMART BATTERY CHARGER

### SPECIFICATION

<b>MODEL</b>	BCSA3630A
<b>INPUT</b>	
I/P	230V AC, 1-Ph, 40-60Hz
Range	180-270V AC
Fuse Protection.	
I/P MOV	
Soft Start	
Inrush current	???
<b>OUTPUT</b>	
Nominal Battery Voltage	36V DC
Float Voltage	40.5V
Boost Voltage	43.2V
Top up Voltage	46.8V(only for Lead acid battery)
Manual –Voltage adj.	36-47V
Current	30A (adjustable 7.5-30A)
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
<b>INDICATIONS LED</b>	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.