

SMART BATTERY CHARGER**SPECIFICATION**

MODEL	BCSA12-2420A
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	12V DC / 24V DC (selector switch provided to select the 12V or 24V)
Float Voltage	13.5V / 27V
Boost Voltage	14.4V / 28.8V
Top up Voltage	15.6V / 31.2V(only for Lead acid battery)
Manual -Voltage adj.	12-16.5V / 24-33V
Current	20A (adjustable 5-20A)
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 ⁰ 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.