KB ELECTRONICS
ALWAYS ON

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SMART BATTERY CHARGER

SPECIFICATION

MODEL	BCSA2445A
INPUT	
I/P	230V AC, 1-Ph, 40-60Hz
Range	180-270V AC
Fuse Protection.	
I/P MOV	
Soft Start	
Inrush current	23A@230V AC
OUTPUT	
Nominal Battery Voltage	24V DC
Float Voltage	27V
Boost Voltage	28.8V
Top up Voltage	31.2V(only for Lead acid battery)
Manual –Voltage adj.	24-33V
Current	45A (adjustable 15-45A)
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	
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 g) 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.

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