

SMART BATTERY CHARGER

SPECIFICATION

MODEL

BCSA4825A

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 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 25A (adjustable 6.5-25A)
 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 50⁰ 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
 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.