

**SPECIFICATION SHEET**

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**SMPS based BATTERY CHARGER (Auto Float Boost)**

**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 (adj.6.5-25A)
- \* Line Regulation : +/- 1%
- \* Load Regulation : +/- 1%
- \* Ripple : +/- 1% (P-P)
- \* Protections : a) Over load Protection auto recovery type.  
b) Short circuit Protection auto recovery type.  
c) Over Voltage Protection Latching type.  
d) Reverse Polarity Protection by fuse & MCB.
- \* Current Limit

**ENVIRONMENTAL**

- \* Operating temperature 0 to 50<sup>o</sup> C.
- \* Humidity : < 95% Rh
- \* IP 20 Protection

**GENERAL**

- \* Digital Voltmeter & Current meter shall be provided at output
- \* Input and output MCB 1P shall be provided
- \* Auto / Manual switch shall be provided
- \* Jumper provided to select the battery type - SMF/ Lead Acid
- \* Built in Power Factor Correction 0.99
- \* 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) Equalizer
- g) Top up

**MECHANICAL**

- \* Dimension : approx. 410(W) X 190(D) X 335(H)mm
- \* Cooling type : Fan
- \* Weight : 9Kgs

**OPTIONAL**

- \* Load and Battery Terminal separate.