

SPECIFICATION SHEET

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SMPS based BATTERY CHARGER (Auto Float Boost)

MODEL : BCSA1220A

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
- * Float Voltage : 13.5V
- * Boost Voltage : 14.4V
- * Top up Voltage : 15.6V (only for Lead acid battery)
- * Manual -Voltage adj. : 12-16.5V
- * Current : 20A (adj. 5-20A)
- * 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° C.
- * Humidity : < 95% Rh
- * IP 20 Protection

GENERAL

- * Digital Voltmeter & Current meter shall be provided
- * Input and output MCB 1P shall be provided
- * Auto / Manual switch shall be provided
- * Jumper provided to select the battery type - SMF/ Lead Acid
- * 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. 295(W) X 180(D) X 265(H)mm
- * Cooling type : Fan
- * Weight : approx. 5.5Kgs

OPTIONAL

- * Load and Battery Terminal separate.