

**SPECIFICATION SHEET**

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

**MODEL** : BCOE4810A

**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 : 48V DC
- \* Float Voltage : 54V
- \* Boost Voltage : 57.6V
- \* Current : 10A (adj.2.5-10A)
- \* Line Regulation : Less than +/- 1%
- \* Load Regulation : Less than +/- 1%
- \* Ripple : Less than +/- 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 by fuse.
- \* Current Limit

**ENVIRONMENTAL**

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

**GENERAL**

- \* Potential Free Contact - Alarm contact for output fail
- \* Isolation : Input to Output - 1.5KV  
Input to Earth - 1.5KV  
Output to Earth- 500V
- \* MTBF : 50K Hrs to MIL

## **INDICATIONS LED**

- : a) Input OK
- b) Output OVP
- d) Float
- e) Boost
- f) Battery reverse
- g) Over temp

## **MECHANICAL**

- \* Dimension : approx. 235(W) X 200(D) X 100(H)mm
- \* Cooling type : Fan
- \* Weight : approx. 3Kgs