

**SMART BATTERY CHARGER****SPECIFICATION****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 (adjustable 2.5-10A)  
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.  
Current Limit Yes

**ENVIRONMENTAL**

Operating temperature upto 50<sup>0</sup> C.  
Humidity < 95% Rh  
IP 21 Protection

**GENERAL**

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) Input OK --  
b) Output ON --  
c) Output OVP  
d) Float  
e) Boost  
f) Battery reverse  
g) Over temp.

**MECHANICAL**

Dimension 235(W) X 195(D) X 100(H)mm  
Cooling type Fan  
Weight 4.5 Kgs