

**SMART BATTERY CHARGER****SPECIFICATION****MODEL**

BCOE2450A

**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 24V DC  
Float Voltage 27V  
Boost Voltage 28.8V  
Current 50A (adjustable 15-50A)  
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.

Current Limit Yes

**ENVIRONMENTAL**

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

**GENERAL**

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  
a) Input OK – Green LED  
b) Output OK-Green LED  
c) Input Under or Over Voltage(U/O)-Red LED  
d) Output Over Voltage(OVP)-Red LED  
e) Output Over Load(O/L)-Red LED  
f) Over Temp(O/T)-Red LED  
g) Output Short (S/B)-Red LED

## MECHANICAL

Dimension	290(W) X 340(D) X 100(H)mm
Cooling type	Fan
Weight	6 Kgs