

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

Modular Swappable Design

BC6KW48100A

Individual Unit of 48V 25A output.

**INPUT**I/P  
Range  
Fuse Protection.  
I/P MOV  
Soft Start  
Inrush current230V AC, 1-Ph, 40-60Hz  
180-270V AC

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**OUTPUT**Nominal Battery Voltage  
Float voltage  
Boost Voltage  
Current  
Line Regulation  
Load Regulation  
Ripple  
Noise  
Protections48V DC  
54V (adjustable)  
57.6V (adjustable)  
100A

+/- 0.5%

+/- 1%

+/- 1% (P-P)

+/- 1%

a) Overload Protection auto recovery type.  
b) Short circuit protection auto recovery type.  
c) OVP Protection Latching type.  
d) Over temperature auto recovery type.  
e) Reverse Polarity Protection

Current Limit.

**ENVIRONMENTAL**Operating temperature upto 50<sup>0</sup> C.  
Humidity  
IP 21 Protection

&lt; 95% Rh

**GENERAL**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

Potential Free Contact for each module – Alarm contact

**INDICATIONS LED OF EACH MODULE(48V25A)**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) Output Over Temp(O/T)-Red LED  
g) Output Short (S/B)-Red LED

Indications on outer panel

- (1) DC output ok
- (2) AC input ok
- (3) Fault
- (4) Voltmeter
- (5) Ammeter
- (6) Float
- (7) Boost

**MECHANICAL**

Dimension

600W X 550D X 670H mm

Cooling type

Fan cooled

Weight

37 Kgs

**OPTIONAL**

Load and Battery terminal Seperate