

SMART BATTERY CHARGER

SPECIFICATION

MODEL

Modular Swappable Design

BC3KW4850A

Individual Unit of 48V 25A output.

INPUT

I/P
 Range
 Fuse Protection.
 I/P MOV
 Soft Start
 Inrush current

230V AC, 1-Ph, 40-60Hz
 180-270V AC

OUTPUT

Nominal Battery Voltage
 Float Voltage
 Boost voltage
 Current
 Line Regulation
 Load Regulation
 Ripple
 Noise
 Protections

48V DC
 54V (adjustable)
 57.6V (adjustable)
 50A
 +/- 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
 Yes

Current Limit.

ENVIRONMENTAL

Operating temperature upto 50⁰ C.
 Humidity
 IP 21 Protection

< 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
 50K Hrs to MIL

MTBF

Potential Free Contact for each module – Alarm contact

Auto Manual Switch

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

425W X 500D X 350H mm

Cooling type

Fan cooled

Weight

25Kgs

OPTIONAL

Load Battery Terminal seperate