AC/DC BATTERY CHARGER

SMBC SERIES

- Up to 6000Watt- base plate & fan forced cooled
- High efficiency up to 89%
- _5 °C to +55 °C Operation
- MIL_STD_810F Shock & Vibration
- Remote control & monitoring (serial port)
- Input Active Power Factor Correction
- Adjustable output (5% of nominal output voltage)
- Current Share for Parallel Operation (optional)
- Over temperature Warning/Shutdown
- 1 Year Warranty

ADVANTAGES

- Remote Control and Monitoring
- high power density
- Wide Current Voltage range
- high power factor(up to 95%)
- Low output ripple
- Low Net Weight
- High Efficiency (Up to 89%)
- Full electronic protection
- Wide range operating temperature

SMBC series are high power density, low pro-file, AC/DC Battery Chargers in wide range variety of multiple output configurations. The SMAC are ideally suited for airborne, shipboard, ground mobile and applications,

All SMBC series has been designed for use in systems which need to operate in the harshest of environments.

The SMBC AC/DC Battery Chargers are designed with the heat generating components directly attached to a base plate which allows conducted heat to be easily passed from the equipment through a heat sink to the outside environment.

The addition of MIL-STD-810 shock and vibration requirements mean that the product is suitable not only for a wide range of Industrial equipment but can also be used in Military COTS applications

COMMUNICATIONS

- Web Enabled (optional)
- RS232/RS485
- Han held controller

AC/DC BATTERY CHARGER

Models and rating

Output voltage	Output current	Output power	Model number
12.0 VDC	0~150 Amp	2000 Watt.max	SMBC12**
24.0 VDC	0~150 Amp	4500 Watt.max	SMBC24**
48.0 VDC	0~100 Amp	5000 Watt.max	SMBC48**
96.0 VDC	0~50 Amp	5000 Watt.max	SMBC96**
110.0 VDC	0~50 Amp	6000 Watt.max	SMBC110**

** Desire modules current

Technical Characteristic

Input Characteristic					
Characteristic	**Minimum**	**Typical**	**Maximum**	**Units**	**Notes & Conditions**
input voltage	180	220	260	VAC	
Power factor		>0.9			With active P.F.C
Input current(no load)		0.5		A	
Input current(full load)	7	-	20	A	
Input protection	Proper MCB fuse				

Output Characteristic					
Characteristic	**Minimum**	**Typical**	**Maximum**	**Units**	**Notes & Conditions**
Output voltage	12		110	VDC	See Models and Ratings table
Minimum load	0				
Start up delay		1.0		S	
Load regulation	±1	±2	±5	%	0-100% load
Over voltage protection	105		120		Auto reset after fault clearance
Over load protection	105		120		Auto reset after fault clearance
Short circuit protection					Auto reset after fault clearance
Over temperature protection		90		° C	Auto reset after fault clearance

General specification & environmental					
Characteristic	**Minimum**	**Typical**	**Maximum**	**Units**	**Notes & Conditions**
EFFECIENCY	83	85	89	%	@full load
DIMENTION	12*8*4		60*40*40	Cm	Base on Models and Ratings
SWITCHING FREQUENCY		30 /50		KHZ	P.F.C / Main
WEIGHT	8		25	Kg	Base on Models and Ratings
Operating temperature	-5		+55	° C	
cooling					Fan Force/Base plate
humidity			90	%RH	Non-condensing
Shock & Vibration					MIL-STD 810F

TECHNICAL SUPPORT

1 year guarantee

3years after sale services

Consulting services

Installation & commissioning services

Utilization & Maintenance services

For more information don't hesitate to contact us:

Khorasan Science & Technology Park,

KM12 Mashhad-Quchan highway,

Mashhad, Iran

Tel:+98511 5003458

09129369968

Fax:+98511 5003458

sales@tavantarahan.com

www. tavantarahan.com