

DOT-SBC™ Series

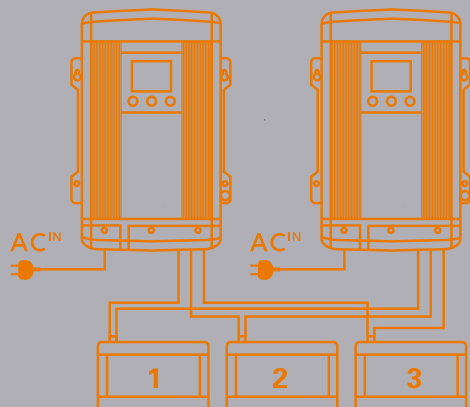
AC Power Cord (1.5m) with IEC connector included



DOT-SBC™ Series



Parallel Operation with two DOT-SBC™ Chargers



Batteries and DC cables not included

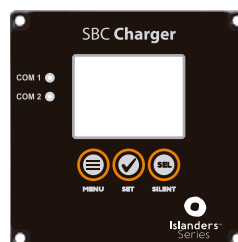


DOT-SBC™ Series

Universal Smart Battery Charger for 3 Battery Banks - GEL, AGM, Flooded and Lithium Batteries

Product Overview

- High-efficiency Smart Battery Charger
- Multiple outputs to charge 3 independent battery banks (isolated charging design)
- Fully Automatic Multi-Stage [Bulk, Absorption, Float, Maintenance and Equalization (Manual)] Charging Methods
- Adjustable for GEL, AGM, Flooded and Lithium batteries
- Provides Power Supply Mode
- Auto ranging input from 90-260VAC, 50/60Hz
- Connectable to any AC generator
- Easily configurable
- Ideal for Off-Grid and Off-Shore applications, UPS and Back-up, telecom and CATV, traffic, agricultural, marine and caravan, cathodic protection, professional installations,...
- Fully protected against short-circuit, over-temperature, reverse battery connection, over-charge, etc.
- LCD display and 3 setting buttons
- Easy wiring. Ready to use. AC cable included
- Optional Remote Panel (RPSBC)
- Optional Battery Temperature Sensor (BTSSBC)
- Extendable. Parallel operation with Optional Remote Panel. High power systems can be achieved (only for SBC1260 and SBC2430)



Optional Remote Panel RPSBC
Control remotely your DOT-SBC™ Series battery charger from your dash board or other convenient locations. Perfect for controlling fan silent mode.



Optional Battery Temperature Sensor BTS SBC

Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



DOT-SBC™ Series

Specifications

		SBC1220	SBC1240	SBC1260	SBC2430
Charger Output:					
Output Current (Maximum Charging Current Setting)		20A / 15A / 10A / 5A	40A / 20A / 10A / 5A	60A / 40A / 20A / 5A	30A / 20A / 10A / 5A
Output Voltage Range (depending on Battery Type Selection)	GEL	Absorption 14.2V / Float 13.8V			Absorption 28.4V / Float 27.6V
	AGM	Absorption 14.3V / Float 13.4V			Absorption 28.6V / Float 26.8V
	Flooded	Absorption 14.4V / Float 13.5V / Equalization (manual activation) 16.0V, 1h			Absorption 28.8V / Float 27.0V / Equalization (manual activation) 32.0V, 1h
	Lithium	Constant 13.9V to 14.4V 0.1V steps			Constant 27.8V to 28.8V 0.2steps
Program (Power Supply)		Constant 13.3V, 13.5V, 13.7V			Constant 26.6V, 27.0V, 27.4V
Charging Control		Three Stages (Bulk / Absorption / Float) Two Stages (Bulk / Absorption)			
DC Output Battery Banks		Three (1 fully independent, 2 common with diode isolation)			
Selectable Battery Type		GEL, AGM, Flooded, Lithium Program (Power Supply)			
Parasitic Current		< 2mA			
Charger Input:					
AC Input Voltage (nominal)		100, 120, 220, 230, 240VAC			
AC Input Operating Range		90 – 265VAC			
AC Input Frequency Range		47 – 63Hz			
Power Consumption (Full Load)		350W	700W	1050W	1050W
Power Factor Correction		Yes			
Charger Efficiency		> 82%			
Protection and Features:					
Reverse Battery Connection		Yes, unit shutdown			
Over Charge		Yes, unit shutdown			
Over Temperature		Yes, unit de-rated and shutdown			
Output Short Circuit		Yes, unit shutdown			
DC Fuse		2 x 15A, 32V	2 x 30A, 32V	3 x 30A, 32V	3 x 20A, 32V
Cooling		Forced air ventilation (thermos controlled fan)			
Temperature Setting		Hot, Normal, Cold (when no sensor connected)			
Battery Temperature Sensor Port		RJ12 (optional Battery Temperature Sensor, BTSSBC)			
Remote Panel Port		RJ12 (optional Remote Panel, RPSBC)			
Weight and Dimensions:					
Weight [kg]		2,4	2,6	4,0	4,0
Dimensions [mm]		295 x 206 x 86	295 x 206 x 86	356 x 206 x 99	356 x 206 x 99
Regulatory Compliance:					
Standards / Safety		CE marked for the low voltage directive 2006-95-EC Complying with EN60335-2-29 battery chargers and EN 50178:1997 Approved to IEC60529:2001, IP32 ingress protection level			
Standards / EMC		CE marked for EMC directive 2004-108-EC Complying with EN55014-1, EN55014-2, EN61000-3-2 and EN61000-3-3 EN 61000-6-2:2005 / EN 61000-6-3:2007 / EN 61000-3-12:2005 (as equivalent IEC standards)			
RoHs		Directive RoHs 2002/95/EC			

IS-2006216-GAH



Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



SOLAR



WIND



MARINE
BOAT



CARAVAN
CAMPING



UPS-BACKUP
ENERGY



PROFESSIONAL



TELECOM
CATV



AGRICULTURAL



WORKS



TRAFFIC



Islanders™
Series

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