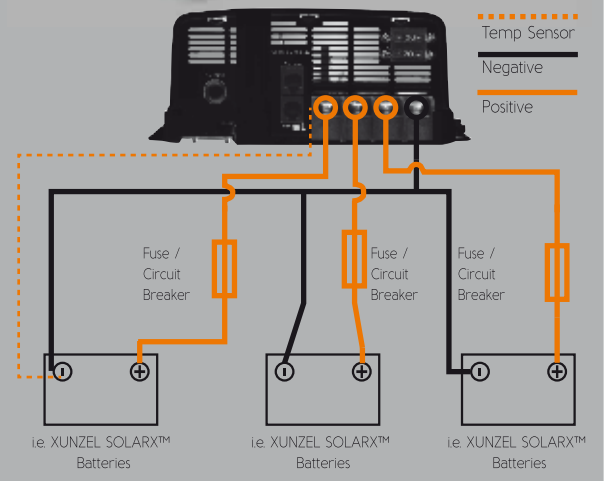
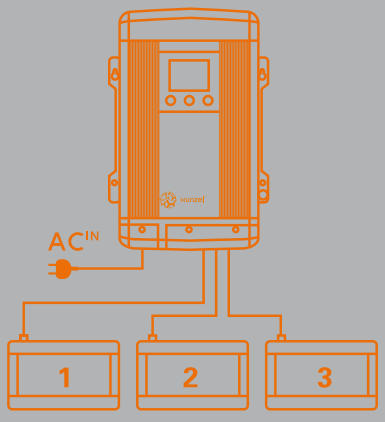
xunzel™
applied Solar and Wind Energy

PRODUCT NOTE

DOT-SBC™ Series





3 Battery Banks Multi-Stage Battery Charger
SBC™ Series –XUNZEL
*Batteries not included

GARDEN LAND CARAVAN MARINE

DOT-SBC™ Series -XUNZEL

XUNZEL Smart Battery Charger

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
- Conectableto 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 SBCI260 and SBC2430)

Optional Remote Panel RPSBC

Control remotely your XUNZEL-SBC Series battery charger from your dash board or other convenient locations. Perfect for controlling fan silent mode.

Optional Battery Temperature Sensor BTSSBC

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

xunzel™

info@xunzel.com
www.xunzel.com

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PRODUCT NOTE

DOT-SBC™ Series

Specifications

		SBCI220	SBCI240	SBCI260	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. Ih			Absorption 28.8V / Float 27.0V / Equalization (manual activation) 32.0V. Ih
	Lithium	Constant 13.9V to 14.4V0.1V 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			

CE

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xunzel™
info@xunzel.com
www.xunzel.com