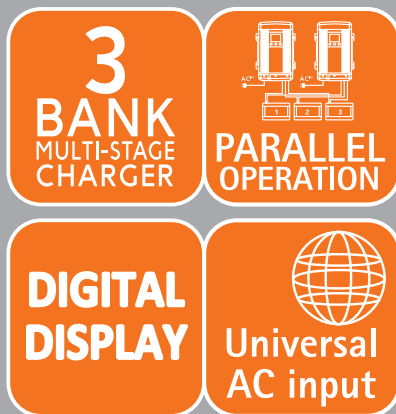


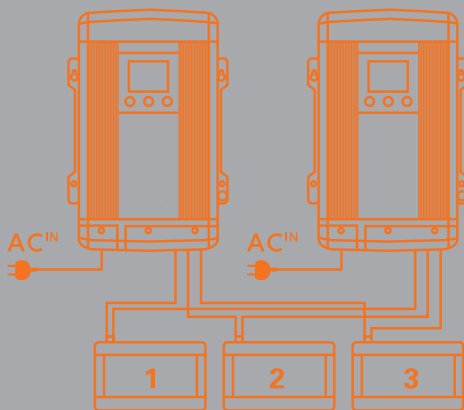
DOT-SBC™ Series



DOT-SBC™ Series



Parallel Operation with two DOT-SBC™ Chargers



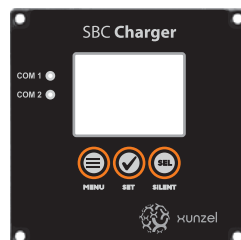
Batteries and DC cables not included



DOT-SBC™ Series -XUNZEL XUNZEL - 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 90-265VAC and 50Hz/60Hz (nominal)
- Plug & Play. Includes Schuko AC Power Cord (1.5m) with IEC
- Conectable to any AC generator
- Easy-to-use and Fully Programmable via LCD Display
- Simply install and forget about it
- 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.
- Optional Remote Panel (RCDOTSBC)
- Optional Battery Temperature Sensor (BTSSBC)
- Extendable. Parallel operation with Optional Remote Panel. High power systems can be achieved



Optional Remote Panel RCDOTSBC

Control remotely your XUNZEL DOT-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



DOT-SBC™ Series

Specifications

		SBC1220	SBC2430
		SBC1220	SBC2450
		SBC1260	
		SBC12100	
Charger Output:			
Output Current (Maximum Charging Current Setting)		20A / 15A / 10A / 5A 40A / 20A / 10A / 5A 60A / 40A / 20A / 5A 100A / 60A / 40A / 5A	30A / 20A / 10A / 5A 50A / 30A / 20A / 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 < 5mA (SBC12100)	
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	1050W
		700W	1800W
		1050W	
		1800W	
Power Factor Correction		Yes	
Charger Efficiency		> 82% > 84% (SBC12100)	
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	
		2 x 15A, 32V 2 x 30A, 32V 3 x 30A, 32V 5 x 30A, 32V	3 x 30A, 32V 3 x 30A, 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)	
Silent Mode		Output Current derated to 40% (approx.) with fan off	
Weight and Dimensions:			
Weight [kg]		2,4	4
		2,6	6,4
		4	
		6,4	
Dimensions [mm]		295 x 206 x 86	356 x 206 x 99
		295 x 206 x 86	400 x 236 x 112
		356 x 206 x 99	
		400 x 236 x 112	
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	



XU-1912217-AH

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

