

# DOT-SBC™ Series. Universal multi-battery chargers

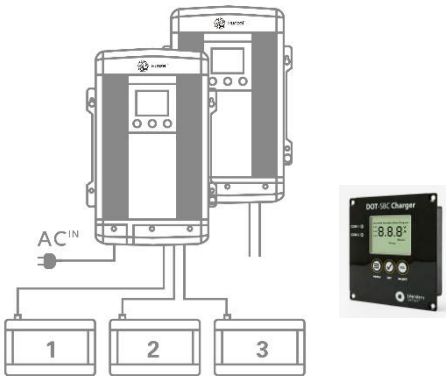
## DOT-SBC™ Series – XUNZEL

Multi-stage battery charger that charges up to three battery banks simultaneously with priority setting

Universal, for Lead-acid-Pb (AGM/GEL/Flooded), Lithium and Programmable



DOT-SBC™ Series



### Parallel Function

Multi-stage battery charger that charges up to three battery banks simultaneously with priority setting .

### Features And Benefits

- DOT-SBC™ Series are Universal Advanced battery chargers for Professional, Industrial and Recreational use.
- Multi-stage battery charger that ensures batteries are charged to battery manufacturer's recommendations.
- Charges up to three battery banks simultaneously (One fully independent and two common with isolated charging design)
- Variable battery type settings including Gel, Flooded, AGM, and Lithium.
- Priority bank charging capability ensures main battery charges first.
- Silent mode for quiet operation.
- Simple to install.
- Remote ON/OFF panel (accessory sold separately).
- Compact size for easy storage.
- High-efficiency to give the best performance. Make your rechargeable batteries are always charged in the best conditions.
- Designed to optimal charge normal Lead-acid Pb (GEL, AGM, Flooded-WET, MF, Calcium) and Lithium Rechargeable Batteries.
- Power Supply Mode. Easy configuration.
- Auto-ranging input 90-260VAC – 50/60Hz. Connectable to any AC Generator.
- Multi-stage smart algorithm charging for optimal charging and extended battery life with Temperature compensation.
- Silent, Robust, Compact and Light Design allows it to fit well in any space.
- Full protected: short circuit, over current and reverse polarity. Easy and safe to use.
- Clear readable Digital Display for easy and quick status reading.
- Optional: Temperature Compensation System Sensor (code: BTSSBC) and Remote Operational Display (code: RPSBC).
- Parallel Operation possible to get more charging power (with Remote Panel -code: RPSBC)

### Available Models:

- |                                  |               |
|----------------------------------|---------------|
| • DOT-SBC-1220 12V   20A   350W  | code: SBC1220 |
| • DOT-SBC-1240 12V   40A   700W  | code: SBC1240 |
| • DOT-SBC-1260 12V   60A   1050W | code: SBC1260 |
| • DOT-SBC-2430 24V   30A   1050W | code: SBC2430 |

© Copyright 2022 XUNZEL™ reserves the right to make changes and improvements without prior notice. Specifications are subject to change without further notification XU-92220226-MA

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



# DOT-SBC™ Series. Universal multi-battery chargers

## Technical Specifications

Model	DOT-SBC-1220 12V   20A	DOT-SBC-1220 12V   20A	DOT-SBC-1260 12V   60A	DOT-SBC-2430 24V   30A
Code   Part Number	<b>SBC1220</b>	<b>SBC1240</b>	<b>SBC1260</b>	<b>SBC2430</b>
Power (Full load)	350W	700W	1050W	1050W
Battery Voltage	12V	12V	12V	24V
Battery Types	Rechargeable Lead-acid Pb (GEL, AGM, Flooded, WET, MF, Calcium), Lithium, Programmable (Priority bank charging capability)			
Input (AC)	90 ~ 265VAC, 47-63Hz (Nominal: 120, 230, 240VAC)			
Output (DC) (3 DC Output Bank)	Charge: 14.2 – 15.5V (Program) Float: 13.4-13.8V (Program) Equalize (Program Flooded battery): 16.0V Charging Control: 3 or 2 Stages, Program Power Supply Mode: constant			Charge: 28.4 – 31.0V (Program) Float: 26.8-27.6V (Program) Equalize (Program Flooded battery): 32.0V Charging Control: 3 or 2 Stages, Program Power Supply Mode: constant
Charging Current (DC)	20A / 15A / 10A / 5A	40A / 20A / 10A / 5A	60A / 40A / 20A / 5A	30A / 20A / 10A / 5A
Display	LDC Digital with back lighting. (Info: Voltage, Current, Status and Warning Codes)			
Operating Temperature	-20°C to +50°C / -4°F to +122°F (90%RH non-condensing)			
AC-Input	Hardwire / AC Input Cord IEC Global: (Schuko, USA, UK, Japan, Australia, NZ plug)			
Dimensions (mm)	295 x 206 x 86	295 x 206 x 86	356 x 206 x 99	356 x 206 x 99
Weight (kg)	2.4	2.6	4.0	4.0
Advanced Protections	Reverse Polarity, Output Short Circuit, Overcharge, Overcurrent, Output Over voltage, Undervoltage, Over Temperature DC Output Fused. Forced Cooling Thermo controlled Fan.			
Back current drain	< 2mA			
Protection Degree	IP32			
Standards	<b>CE; UKCA, RoHS3 and REACH Compliant. LVD, EMC Directives Compliant</b> , Safety, Emissions and Immunity IEC/EN60335-2-29; IEC/EN50178; IEC/EN55014-1; IEC/EN55014-2; IEC/EN61000-3-3; IEC/EN61000-3-2; IEC/EN61000-6-3; IEC/EN61000-3-12			
Accessories (Optional)	Remote Panel (part number: PRSBC): for viewing status, adjusting settings and for connecting chargers in parallel Temperature Battery Sensor (part number: BTSSBC): for battery voltage adjustment			



The design and all photos and drawings of these sheets are protected by law and may not be distributed, reproduced, in whole or in part, published or used for any purpose without the express written consent of XUNZEL. © XUNZEL - Xunzel is not responsible for possible typographical errors.

© Copyright 2022 XUNZEL™ reserves the right to make changes and improvements without prior notice. Specifications are subject to change without further notification. NOT IN SCALE

XU-92220226-MA

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



info@xunzel.com  
www.xunzel.com

© Copyright Xunzel. Information contained in this document is subject to change without notice.

# DOT-SBC™ Series. Universal multi-battery chargers

Model	DOT-SBC-1220	DOT-SBC-1240
Code Part Number	SBC1220	SBC1240



Model	DOT-SBC-1260	DOT-SBC-2430
Code Part Number	SBC1260	SBC2430



Model	REMOTE DOT-SBC
Code Part Number	RPSBC



The design and all photos and drawings of these sheets are protected by law and may not be distributed, reproduced, in whole or in part, published or used for any purpose without the express written consent of XUNZEL. © XUNZEL - Xunzel is not responsible for possible typographical errors.

© Copyright 2022 XUNZEL™ reserves the right to make changes and improvements without prior notice. Specifications are subject to change without further notification. NOT IN SCALE

XU-92220226-MA

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

