

BOSSARD SMARTTOOL

Batteries and battery chargers

Intelligent screwdriving and riveting tools form the basis of our Smart Factory Assembly offering. And the basis for high-performance battery-powered SmartTools are the batteries themselves and the associated charging technology. Our batteries and chargers bring the necessary power and reliability to your intelligent assembly.

Lithium-ion batteries 2.5 Ah and 5.0 Ah

Product features

- Suitable for all Bossard SmartTools
- Simple and fast battery change
- Optimal ratio of power, capacity and weight
- Short charging cycles



Technical data

Article	BST-LB-1825	BST-LB-1850
Voltage	18 V	18 V
Capacity	2.5 Ah	5.0 Ah
Power	45 Wh	90 Wh
Weight	0.360 kg / 0.794 lbs	0.600 kg / 1.322 lbs
Ambient temperature (operation)	0 – 45 °C / 32 – 113 °F	0 – 45 °C / 32 – 113 °F

Guide value for number of tightened bolts

	BST-LB-1825	BST-LB-1850
Pistol-DC-Drivers		
Hard joint	1900	3600
Soft joint	650	1200
Angle-DC-Drivers		
Hard joint	*	700
Soft joint	*	300

Guideline for number of rivets set

	BST-LB-1825	BST-LB-1850
M5 Alu	1150	2200
M5 Steel	850	1600
M6 Alu	1050	2000
M6 Steel	800	1500
M8 Alu	900	1700
M8 Steel	450	850

*not recommended
The data are approximate values and may vary depending on the application.

Battery chargers

Product features

- Optimized for BST-LB series batteries
- Battery defect detection
- Battery pressure rise detection
- Microprocessor controlled charging
- Charging time depends on battery capacity
- No voltage changeover required
- Battery voltage is automatically detected
- Reverse polarity protection



Technical data

Article	BST-BC-2830	BST-BC-2830-USA
Connection	220 – 240 V / 50 – 60 Hz	110 V / 50 – 60 Hz
Charging current	3 A	3 A
Output	max. 28 VDC	max. 28 VDC
Charging time	25 – 80 min	25 – 80 min
Switch-off criteria	ΔU , temperature termination	ΔU , temperature termination
Size (W x H x D)	85.5 x 106.8 x 152.5 mm	85.5 x 106.8 x 152.5 mm
Weight	ca. 0.5 kg	ca. 0.5 kg
Checked	89/336 EWG, 73/23 EWG, EN61000-3-2 + A12:97+A1, A2:99, EN55014-2:98, EN60335, EN55014	89/336 EWG, 73/23 EWG, EN61000-3-2 + A12:97+A1, A2:99, EN55014-2:98, EN60335, EN55014

Bossard SmartTools are an integral part of Smart Factory Assembly.
For more information, please contact your Bossard representative and visit
our website: www.bossard.com/smart-factory-assembly

