

POWERBOOZT LOW TEMPERATURE

High Power Battery Series - LFP LiFePO4 LITHIUM BATTERY

PB.Li-12-280LT



Electrical Specifications

Nominal Voltage	12,8 V
Nominal Capacity	280 Ah
Open Circuit Volt. @ 100%	13,6 V
Energy	3584 Wh
Internal Resistance	$\leq 50 \text{ m}\Omega$
Self Discharge	< 3 % / month

Discharging Specifications

Max. cont. Discharge Current	200 A
Peak Discharge Current	300 A (30 s)
BMS Discharge Cut-Off	350 A
Rec. Low Voltage Cut-Off	11 V
BMS Cut-Off	10,4 V
Reconnect Voltage	11,2 V

Charging Specifications

Recomm. Charge Current	100 A
Recomm. Charge Voltage	14,4 V - 14,6 V
BMS Voltage Cut-Off	14,6 V

Temperatures

Discharge Temperature	-20 bis +60 °C
Charge Temperature	-25 to +60 °C
Storage Temperature	0 bis +60 °C

Mechanical Specifications

Dimensions (LxWxH)	353 x 350 x 188 mm
Weight	28 kg

Terminal Type	M8
Case Material	Metal
Enclosure Protection	IP 56
Cell Type / Chemistry	Prismatic LiFePO4

Communication & Compliance

Communication	Bluetooth 4.0 with App Android/iOS
Certificates	CE, UN38.3, UL1642 & IEC2133
Shipping Classification	UN 3480, Klasse 9