

power-xtra

Model: Power-Xtra PX2770180HE - 3.2V 30 Ah LiFePO4 Battery - 3C - with terminal M6
Stock Code: 900.640.503.033

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Nominal Voltage	3.2±0.05V	1C, 25±2°C, 2.5-3.65V
Charging	Method	CC-CV
	Voltage	3.65±0.05V
Typ. Capacity	30 Ah	1C, 25±2°C, 2.5-3.65V
Minimum Capacity	30 Ah	
Internal Impedance	≤3.5mΩ	AC 1kHz after standard charge
Standard Charge Current	15 A (0.5C)	25±2°C
Standard Discharge Current	15 A (0.5C)	25±2°C
Maximum Continuous Charge Current	30 A (1.0C)	25±2°C
Max. Continuous Discharge Current	90 A (3.0C)	25±2°C
Discharge Cut-off Voltage	2.5V - > 0°C 2.0V - ≤ 0°C	Stop discharging once the cell voltage is outside this range regardless of whether continuous or pulse current is adopted
Operating Temperature	Charge	0~+60°C
	Discharge	-20~+60°C
Storage Temperature	Charge	25°C±2°C
	Discharge	25°C±2°C
Overtemperature protection	-20°C-55°C	If the operating temperature of the cell exceeds the safe temperature range, the cell stops charging and discharging.
Weight	< 665g	approximately

Cycles Test

Under the temperature of 25±2°C, charge the battery under the current of 0.5C, when the voltage reaches to 3.65V changes to constant voltage charge until the current tapers to 0.05C, then stop charging and rests for 30min, then discharge with 0.5C to 2.0V. Cycle with the above mode, when 3 consecutive discharge capacity < 70% the nominal capacity, stop cycling. The cycle life is required ≥4000 times.

**15A/15A -
0.5C/0.5C
≥4000 times
25±2°C, 2.0-3.65V**

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TECHNICAL DRAWINGS

Item	Dimensios
Height - H	165.7±1 mm
Height - H1	180±1mm
Height - H2	-
Width - W	70±0.5 mm
Width - W1	-
Thickness - T	27±0.5mm
Terminal	M6

