

power-xtra

Model: Power-Xtra PX18650-24P - 3.7V 2400 Mah Li-ion - 12C - 30A

Stock Code: 900.600.503.450

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	3.6±0.05V	0.2C Discharge
Charging	Method	CC-CV
	Voltage	4.20±0.05V
Typ. Capacity	2400 mAh	Standard Charge : 1.2A, 4.20V, CC-CV(constant current to constnat voltage charge) to 4.2V, 100mA cut off
Minimum Capacity	2350 mAh	Standard Discharge : , 1.2A, 4.20V, CCCV 100Ma cut-off
Internal Impedance	≤18mΩ	AC 1kHz
Standard Charge Current	1200 mA (0.5C)	CCCV 1.2A, 4.20V±0.05V, 100Ma cut-off
Standard Discharge Current	480 mA (0.2C)	0.2C(480mA), CC to 2.5V
Max. Charge Current	6000 mA	1.0C
Max. Continuous Discharge Current	30.000 mA	12.5C
Operating Temperature (Charge)	Temperature	Max. Continuous Charge Current
	0°C ≤ T ≤ 15°C	0.2C(480mA)
	15°C <T ≤ 30 °C	0.5C(1200mA)
	30°C <T ≤ 50°C	1.0C(2400mA)
Operating Temperature (Discharge)	Temperature	Max. Continuous Discharge Current
	-30°C ≤ T ≤ 0°C	0.2C(480mA)
	0°C <T ≤ 10°C	0.5C(1200mA)
	10°C <T ≤ 45°C	3.0C(7200mA)
	45°C < T ≤ 60°C	1.0C(2400mA)
Storage Temperature	Storage	Less than 1 year: -20~25°C
		less than 3 months: -20~45°C
Weight	48 gr	approximately
Cycles Test	Charge: 4A CC-CV to 4.2V, 100mA cut off, leave it for 10min; Discharge: 20A CC to 2.75V, leave it for 20min; Temperature: 25 ± 2°C. (After 300 Cycle, Discharge Capacity≥ %85)	4A/20A ≥ 300 Cycles
	Charge: 2A CC-CV to 4.2V, 100mA cut off, leave it for 10min; Discharge: 10A CC to 2.75V, leave it for 20min; Temperature: 25 ± 2°C. (After 700 Cycle, Discharge Capacity≥ %80)	2A/10A ≥ 500 Cycles