

power-xtra

Model: Power-Xtra PX18650-35A - 3.7V 3500 Mah Li-ion Battery - 3C - 10A
Stock Code: 900.600.503.379

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	3.450 mAh	Standard Charge : 0.5C(1675mA), CC-CV(constant current to constnat voltage charge) to 4.2V, 50mA cut off
Minimum Capacity	3.350 mAh	Standard Discharge : 0.2C(670mA), CC(constant current discharge) to 2.5V
Internal Impedance	≤40mΩ	AC 1kHz
Standard Charge Current	1.675 mA (0.5C)	0.5C(1675mA), CC-CV to 4.2V, 50mA cut off
Standard Discharge Current	670 mA (0.2C)	0.2C(670mA), CC to 2.5V
Max. Charge Current	3.350 mA (1.0C)	1.0C
Max. Continuous Discharge Current	10.000 mA	3.0C
Operating Temperature (Charge)	Temperature	Max. Continuous Charge Current
	0°C ≤ T ≤ 15°C	0.2C(670mA)
	15°C < T ≤ 30 °C	0.5C(1675mA)
	30°C < T ≤ 50°C	1.0C(3350mA)
Operating Temperature (Discharge)	Temperature	Max. Continuous Discharge Current
	-30°C ≤ T ≤ 0°C	0.2C(670mA)
	0°C < T ≤ 10°C	0.5C(1675mA)
	10°C < T ≤ 45°C	3.0C(10000mA)
	45°C < T ≤ 60°C	1.0C(3350mA)
Storage Temperature	Storage	Less than 1 year: -20~25°C
		less than 3 months: -20~45°C
Weight	50 gr	approximately
Cycles Test	Charge: 0.3C CC-CV to 4.2V, 100mA cut off, leave it for 10min; Discharge: 1.0C CC to 2.75V, leave it for 20min; Temperature: 25 ± 2°C. (After 500 Cycle, Discharge Capacity≥ %85)	0.3C/1.0C ≥ 500 Cycles
	Charge: 0.5C CC-CV to 4.2V, 100mA cut off, leave it for 10min; Discharge: 1.0C CC to 2.75V, leave it for 20min; Temperature: 25 ± 2°C. (After 700 Cycle, Discharge Capacity≥ %80)	0.5C/1.0C ≥ 700 Cycles