



High Drain Rechargeable Battery Datasheet

Of

KeepPower Protected 27700 5700mAh

1. Specification

1.1	Rated Charge(0.5C)	2.85A CC charge to 4.2V, then 4.2V CV charge until current less than 50mA at 23±2°C.
1.2	Recommended charge	Reference 2A
1.3	Rated discharge(0.2C)	Constant 1.14 A discharge until 2.5V at 23±2°C.
1.4	Discharge cut-off voltage	2.5V (End of discharge voltage after recommended charge).
1.5	Rated capacity	5700mAh (Rated discharge (0.2C) capacity after recommended charge.)
1.6	Minimum capacity	5500mAh (Rated discharge (0.2C) capacity after recommended charge.)
1.7	Nominal voltage	3.7V
1.8	Voltage of leave factory	3.65V - 3.75V (Approximate state of charge = 50~80%)
1.9	Internal resistance of leave factory	<50mΩ (By resistance meter with AC 1 kHz.)
1.10	Maximum charge voltage	4.2±0.05V(Acceptable maximum voltage)
1.11	Charging time	Rated charge: 240min Reference 2A
1.12	Operating temperature	Charging: 0~45°C Discharging: -20~60°C
1.13	Storage temperature	1 year: -20~25°C 3 months: -30~45°C
1.14	Maximum continuous discharging current	10A(Acceptable maximal continuous discharging current)
1.15	Dimension	(D)27.00*(H)69.0mm
1.16	Weight	102.0±1.0g