

Ultra High Energy Type

11.6Ah Lithium ion Battery

UL, UN Certified



- › High energy density (246Wh/kg and 571Wh/L)
- › High gravimetric and volumetric power density
- › Excellent power-to-energy balance
- › Long cycle and calendar life (3,000 cycles, up to 15 years*)

*Depending on the load profile, the warranty condition may differ

Electrical Characteristics

Model: SLPB065070180

Items		Specification	Remarks
Nominal Capacity (Ah)		11.6	Charge @0.1C, 25±3°C Discharge @0.1C, 25±3°C
Nominal Energy (Wh)		42.6	
Energy Density	Gravity (Wh/kg)	246	
	Volume (Wh/L)	571	Excluded tab and seal
Internal Resistance (mΩ) / Max.		2.8	AC @1kHz, SOC 30±5%
Weight (g) / Max		175	
Cell Dimension (mm)	Width	84	Unfolded
	Length	185	Excluded tab length
	Thickness	6.6	0.5kgf/cm ² , SOC 30±5%
Voltage (V)	Average	3.67	
	Lower Limit	2.7	
	Upper Limit	4.2	
Current (A)	Charge	Cont. 11.6 (1C)	@25±3°C
	Discharge	Cont. 23.2 (2C)	@25±3°C
		Peak 46.4 (4C)	≤ 10 sec, ≥ SOC 50%
Cycle Life at 90% DOD		1C/1C ≥ 3,000	@25±3°C, 70% remaining capacity
Certification		UL1642, UN38.3	

Common Specifications*

Charging Temperature	0 ~ 10°C	< 0.2C	Pre-charging range
	10 ~ 35°C	< 1.0C	Rapid charging range
	35 ~ 45°C	< 0.5C	Charging range
Discharging Temperature	-20 ~ 55°C		
Storage Temperature	-20 ~ 25°C	1 year	@60±25% R.H. SOC 50 ±5%
	-20 ~ 35°C	6 months	
	-20 ~ 45°C	3 months	
	-20 ~ 60°C	< 1 week	

*Customers shall consult Kokam if temperature condition is outside the range in which cyclic operation is allowed.

*Customers shall review and understand the cell safe handling guideline prior to using the cell.

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