

High Power Type

57Ah Lithium ion Battery

UL Certified



- › High power performance (Up to 10C-rate)
- › Long cycle and calendar life (Over 6,000 cycles, up to 15 years*)
- › High gravimetric and volumetric power density
- › Excellent power-to-energy balance
- › Low impedance and heat generation for improved safety

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

Electrical Characteristics

Model: SLPB120216216G1H

Items		Specification	Remarks	
Nominal Capacity (Ah)		57	Charge @0.2C, 25±3°C Discharge @0.2C, 25±3°C	
Nominal Energy (Wh)		209.8		
Energy Density	Gravity (Wh/kg)	180		
	Volume (Wh/L)	429	Excluded tab and seal	
Internal Resistance (mΩ) / Max.		0.5	AC @1kHz, SOC 30±5%	
Weight (g) / Max		1,175		
Cell Dimension (mm)	Width	226	Unfolded	
	Length	227	Excluded tab length	
	Thickness	12.2	0.5kgf/cm ² , SOC 30±5%	
Voltage (V)	Average	3.68		
	Lower Limit	2.7		
	Upper Limit	4.2		
Current (A)	Charge	Cont.	171 (3C)	@25±3°C
		Cont.	456 (8C)	@25±3°C
	Discharge	Peak	570 (10C)	≤10sec , ≥SOC 50%
Cycle life at 90% DOD		1C/1C	≥ 6,000	@25±3°C, 70% remaining capacity
Certification			UL 1642	

Common Specifications*

Charging Temperature	0 ~ 10°C	< 0.2C	Pre-charging range
	10 ~ 35°C	< 3.0C	Rapid charging range
	35 ~ 45°C	< 1.0C	Charging range
Discharging Temperature	-20 ~ 55°C		
Storage Temperature	-20 ~ 25°C	1 year	@ 60±25% R.H. SOC 50±5%
	25 ~ 35°C	6 months	
	35 ~ 45°C	3 months	
	45 ~ 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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