

High Energy Type

# 70Ah Lithium ion Battery



- › High energy density (225Wh/kg and 525Wh/L)
- › High gravimetric and volumetric power density
- › Long calendar life (Up to 15 years\*)
- › Low internal resistance and heat generation

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

## Electrical Characteristics

Model: SLPB120216216G2

Items		Specification	Remarks
Nominal Capacity (Ah)		70	Charge @0.2C, 25±3°C Discharge @0.2C, 25±3°C
Nominal Energy (Wh)		256.9	
Energy Density	Gravity (Wh/kg)	225	
	Volume (Wh/L)	525	Excluded tab and seal
Internal Resistance (mΩ) / Max.		0.7	AC @1kHz, SOC 30±5%
Weight (g) / Max		1,150	
Cell Dimension (mm)	Width	226	Unfolded
	Length	227	Excluded tab length
	Thickness	12.3	0.5kgf/cm <sup>2</sup> , SOC 30±5%
Voltage (V)	Average	3.67	
	Lower Limit	2.7	
	Upper Limit	4.2	
Current (A)	Charge	Cont. 70 (1C)	@25±3°C
	Discharge	Cont. 140 (2C)	@25±3°C
		Peak 210 (3C)	≤ 10 sec, ≥ SOC 50%
Cycle Life at 90% DOD		1C/1C ≥ 3,000	@25±3°C, 70% remaining capacity

## 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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