

Ultra High Power Type

30Ah Lithium ion Battery



- › Exceptional high power performance (Up to 30C-rate)
- › High gravimetric and volumetric power density
- › Excellent power-to-energy balance
- › Long cycle and calendar life (Over 6,000 cycles, up to 15 years*)
- › Low internal resistance and heat generation

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

Electrical Characteristics

Model: SLPB98188216P

Items		Specification	Remarks	
Nominal Capacity (Ah)		30	Charge @0.2C, 25±3°C Discharge @0.2C, 25±3°C	
Nominal Energy (Wh)		111		
Energy Density	Gravity (Wh/kg)	146		
	Volume (Wh/L)	338	Excluded tab and seal	
Internal Resistance (mΩ) / Max.		0.7	AC @1kHz, SOC 30±5%	
Weight (g) / Max		780		
Cell Dimension (mm)	Width	199	Unfolded	
	Length	224	Excluded tab length	
	Thickness	9.4	0.5kgf/cm ² , SOC 30±5%	
Voltage (V)	Average	3.7		
	Lower Limit	2.7		
	Upper Limit	4.2		
Current (A)	Charge	Cont.	90 (3C)	@25±3°C
		Cont.	600 (20C)	@25±3°C
	Discharge	Peak	900 (30C)	≤ 10 sec, ≥ SOC 50%
Cycle Life at 90% DOD		1C/1C	≥ 6,000	@25±3°C, 70% remaining capacity

Common Specifications*

Charging Temperature	0 ~ 10°C	< 0.3C	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%
	-20 ~ 35°C	6 months	
	-20 ~ 45°C	3 months	
	-20 ~ 60°C	< 1week	

*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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