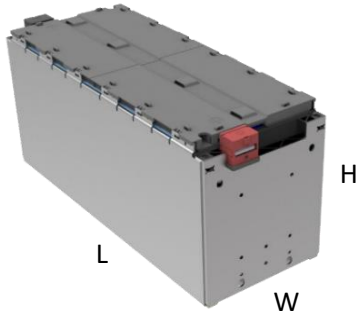


EP-NCM50Ah - 100 Ah MODULE

NCM Lithium-ion battery module 2P6S & 2P7S Configurations



UL 1973 certification is in progress for 2P7S Module

Specifications

Item	EP-NCM50Ah Standard Module		Note
	MS32-22.32V100A	MS32-26.04V100A	
	50Ah2P6S	50Ah2P7S	
Nominal Voltage (V)	22.32	26.04	Cell 2.8V ~ 4.25V
Operating Voltage (V)	min	16.8	
	max	25.5	29.75
Nominal Capacity (Ah)	100	100	1C, 25±2°C
Nominal Energy (kWh)	2.232	2.604	1/3C, 25±2°C
Group Mode	2P6S	2P7S	
End of Life Residual Capacity (Ah)	80		≥80% of initial capacity
Module Weight (kg)	12.1	14.05	+ 0.5
Dimension L (mm)	357.8	412.42	+ 1.5
Dimension W (mm)	151.5	151.5	+ 1.5
Dimension H (mm)	108.5	108.5	+ 4
Module Self Discharge	≤3%		100% SOC, 25°C, 1month
Max Continuous Charge Current (A)	100		1C
Max Pulse Charge Current (<10s) (A)	120		1.2C, 25-50°C, <80% SOC
Max Continuous Discharge Current (A)	100		1C
Max Pulse Discharge Current (<10s) (A)	300		3C, 25-50°C, >30% SOC
SOC Operating Range %	10~90		
Cycle Life	1C/1C, 80% DOD 25°C		2,000 cycles
Insulation Requirement (MΩ)	≥200		1000V DC, High voltage output to battery module shell at normal temperature and humidity
Module Cooling	Air		Optional: Heating film ~0.2°C/min
Module Heating	No		
Shipping Consistency (mV)	<30		Voltage between cells
Shipping Capacity (SOC)	~30%		

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