

EP-NCM53Ah Standardmodul

Advantage

- Recharges much faster
- Low self discharge
- Incredible small size
- Longer service life
- Less weight
- High rigidity



Lithium-ion batterie module for use in electric powered mobilities. The system consist of Lithium-Ion-Cells, connected in series to reach the system voltage the battery system voltage can be verified by different combination of modules.

No.	Items		EP-NCM53Ah STANDARD MODULE		Note
			MSXX2- 22.32V106A	MSXX2- 26.04V106A	
			53Ah2P6S	53Ah2P7S	
1	Nominal voltage(V)		22.32	26.04	(40%SOC)
2	Operating voltage(V)	min	16.8	19.6	Cell 2.8.0V~4.35V
3		max	26.1	30.45	
4	Nominal capacity(Ah)		106	106	25±2°C,1C
5	Nominal energy (KWh)		2.36	2.76	25±2°C,1C
6	Available energy (KWh)		≥2.31	≥2.43	
7	Group mode		2P6S	2P7S	Serial and parallel schemes
8	End of life residual capacity (Ah)		84.8		100%DOD , 1C/1C , 1000 cycles, residual capacity≥80% initial capacity , @25°C
9	Module weight (Kg)		12.1	14.05	
10	Maximum continuous charge current (A)		106		
11	Maximum short pulse charge current (≤10s)		318		25~50°C , < 80%SOC
12	Maximum continuous discharge current (A)		106		
13	Maximum short pulse discharge current (≤10s)		318		25~50°C , > 30%SOC
14	SOC operating range (%)		10~100		
15	Insulation requirements(MΩ)		≥200		1000V DC , High voltage output to battery module shell, at the normal temperature and humidity
16	Module cooling method		Natural cooling		PTC heater or water cold plate
17	Module heating method		No		
18	Shipping capacity (SOC)		30%~70%		SOC is consistency in the same batch
19	Shipping consistency (mv)		< 10		Voltage difference between cell of module < 10mV
20	Coulomb efficiency		≥95%		
21	Module self-discharge		≤3%		25±2°C,50%SOC
22	Dimension L mm		355	412.5	
	Dimension B mm		151.5	151.5	
	Dimension H mm		108.5	108.5	