

NCM



Features

1.Excellent Safety and Thermal Management Performance

High safety feature with high tolerance for abuse. Excellent low temperature performance (@-20°C with around 80% usable energy).

2.Long Cycle Life

The 48ah and 55ah cells offer a cycle life of over 7,000 cycles at 25°C, while the 53.5ah cell exceeds 5,000 cycles, which can match the full operational lifespan of vehicles.

3.Low TCO

TCO has been reduced by 25%, effectively helping users control long-term operational costs.

4.Comprehensive Application Coverage

From ultra-fast charging for heavy-duty scenarios to long-range commercial use, the cells cover a wide range of vehicle types including BEV, PHEV, and HEV.

Name	48Ah	53.5Ah	55Ah
Material System	NCM	NCM	NCM
Dimensions (mm)	290 × 204 × 7	290 × 204 × 7	290 × 204 × 7
Voltage Range (V)	2.7~4.2	2.7~4.2	2.7~4.3
Rated Voltage (V)	3.7	3.7	3.7
Rated Capacity (Ah)	48	53.5	55
Weight (g)	840	840	880
Energy Density (Wh/kg)	≥205	≥235	≥233
Maximum Continuous Charging Current (A)	3C	1C	3C
Maximum Continuous Discharging Current (A)	3C	2C	3C
Normal Temperature Cycle Life (@25°C, 80% SOH/EOL)	≥7000 cycles	≥5000 cycles	≥7000 cycles
Operating Temperature (°C)	-20 to 55	-20 to 55	-20 to 55