

Datasheet of the LiNiMnCoO₂ battery 50.4V 38Ah

Nominal Characteristics

Nominal Voltage	50.4V
Nominal Capacity	38.4Ah
Nominal Energy	1935Wh
Cell Chemistry	NMC
Cell type	21700 Cylindrical cell
Cell Combination method	14S 8P
Internal Resistance	≤35 mΩ
Cycle Life(@25°C, 0.5C discharge,80%DOD)	≥800 Cycles

Charging Specifications

Charge Voltage	58.8V
Recommended Charging Current	8A
Max Charging Current	19A

Discharging Specifications

Discharge Cut-off Voltage	35V
Discharging Continuous Current	38A
Max Discharging Continuous Current	110A @10s

Operating Conditions

Charge Temperature	0°C to 45°C
Discharge Temperature	-20°C to 60°C
Storage Temperature	-5°C to 60°C (One month) - 0°C to 25°C (One year)

Mechanical Characteristics

Weight	< 12 Kg
Dimension (L x W x H)	345 x 190 x 80
Communication Interface	Bluetooth & CANbus
Terminal Type	Connector RB 50A
Housing Protection	IP54