

Datasheet of the LiNiMnCoO₂ battery 46.8V 20.8Ah

Nominal Characteristics

Nominal Voltage	46.8V
Nominal Capacity	20.8Ah
Nominal Energy	973Wh
Cell Chemistry	NMC
Cell type	18650 Cylindrical cell
Cell Combination method	13S 8P
Internal Resistance	≤ 48.1 mΩ
Cycle Life(@25°C, 0.5C discharge,80%DOD)	≥500 Cycles

Charging Specifications

Charge Voltage	52V~54.6V
Recommended Charging Current	4.16 A
Max Charging Current	10.4 A

Discharging Specifications

Discharge Cut-off Voltage	35.75 V
Max. Continuous Discharge Current	20.8 A
Max. Pulse Discharge Current	30A(@10s)

Operating Conditions

Charge Temperature	0°C to 45°C
Discharge Temperature	-30°C to 60°C

Mechanical Characteristics

Weight	< 8 Kg
Dimension (L x W x H)	175 x 280 x 110 mm
Terminal Type	Connector XT60

Connector XT60:

