

## Datasheet of the LiNiMnCoO<sub>2</sub> battery 72V 38Ah

### Nominal Characteristics

Nominal Voltage	72V
Nominal Capacity	38.4Ah
Nominal Energy	2764Wh
Cell Chemistry	NMC
Cell type	21700 Cylindrical cell
Cell Combination method	20S 8P
Internal Resistance	≤50 mΩ
Cycle Life(@25°C, 0.5C discharge,80%DOD)	≥800 Cycles

### Charging Specifications

Charge Voltage	84V
Recommended Charging Current	8A
Max Charging Current	19A

### Discharging Specifications

Discharge Cut-off Voltage	50V
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	< 15 Kg
Dimension ( L x W x H )	190 x 170 x 295
Communication Interface	Bluetooth & CANbus
Terminal Type	Connector RB 50A
Housing Protection	IP54