

Safe & reliable

Lithium Nickel Manganese Cobalt Oxide Cell Tested and Certified Product



High energy and power density

>130 Wh/kg



Developed According to Customer Requirements

From idea to final product



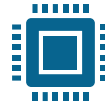
Certified and Validated Solutions

Meets required battery standards



Maintenance Free

Cost reduction



Robust and proven BMS control

Monitors, controls and optimizes battery's performance



Decarbonization

Contributes to reduction of Carbon for a climate-neutral society by 2050



Modular design and scalability

Easy to integrate in different applications



Eco friendly

Up to 98% Recyclable



Negative Carbon Footprint Production

All energy used in production comes from RES



Technical specifications

Performance	
Nominal voltage	87.6 V
Operating voltage range	72 – 100.8 V
Nominal capacity	120 Ah
Installed energy @100%DoD	10.5 kWh
Battery usable energy (0.5C/0.5C rated at 25°C)	10.0 kWh
Max. charging current	120 A
Max. discharging current	120 A
Cycle life	>5000 cycles, acc. To warranty conditions
Communication	
Communication	CAN 2.0B
General specifications	
Cell technology	NMC – Lithium Nickel Manganese Cobalt Oxide (LiNiMnCoO ₂)
Operating temperature	Discharge -10°C to +50°C Charge 0°C to +50°
Recommended operating temperature	15°C to +30°C
Cooling	Natural convection
Protection rating	IP 65
Dimensions (L x W x H)	912 x 564 x 304 mm
Weight	77 kg



Applications:

- ✓ Electric/hybrid vehicles

Typical product configuration.
Appearance and interfaces may vary.

We reserve the right to make technical changes and updates without prior notice. Specific values, performance data and other information in this data sheet, brochures and other product information, as well as illustrations and drawings in these documents, are solely illustrative and are subject to ongoing revision and modification.



PRIME BATTERIES TECHNOLOGY
+40 751 166 196
andrei.trifu@primebatteries.com
www.primebatteries.com

Office & Factory
4C Oxigenului St., Cernica
077035, Ilfov County, Romania