

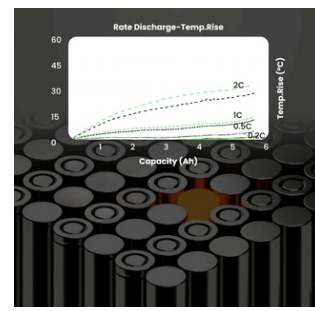
NMC Series

Model : NMCEMS21700



TESSON ENERGY is a trusted manufacturer of advanced lithium battery solutions, committed to delivering safe, efficient, and long-lasting energy storage products. We serve a wide range of sectors including electric mobility, solar power systems, home and industrial backup, and custom battery applications.

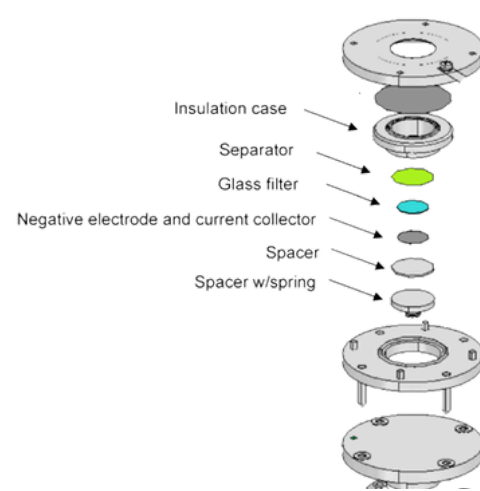
| NMC Battery Specification | |
|----------------------------------|---|
| Chemistry | NMC |
| Configurable Voltage Range(Volt) | 48-74V (customizable*) |
| Configurable Capacity Range(Ah) | 25-100Ah (customizable*) |
| Configuration(S) | 13-20S (customizable*) |
| Usable Energy | 95% Soc (customizable*) |
| Battery Warranty | 3 or 5 Years* As Per Industry Norms |
| Electrical Characteristics | |
| Charging Mode | CC/CV |
| Standard Charging Current | 0.5C |
| Max Continuous Discharge Current | 1C |
| Max Pulse Discharge Current | 3C @ 10sec |
| Operating Temperature(Charge) | 0°C to 55°C |
| Operating Temperature(Discharge) | -20°C to 55°C |
| Storage Temperature | 15°C to 30°C |
| Cycle Life | ≥1000 Cycle @ (90% DOD) |
| BMS Specifications | |
| BMS Rating | 13-20S (Configurable*) |
| Communication Interface | CAN/RS485/UART/Bluetooth/Wi-Fi |
| Protection | Overcharge Protection. Over-Discharge Protection. Overcurrent Protection (OCP). Short-Circuit Protection. Temperature Protection. |
| Smart BMS Features | Cycle Counting/ Load Detection/ Firmware Upgradability/ SOC-SOH Monitoring/ Self-Diagnosis & Fault Alarms/ Reverse Polarity Protection/ Thermal Management. |
| Telematics(GPRS) | (Optional) |
| Enclosure | |
| Dimension(L*W*H)mm | customizable* |
| IP Rating | IP65 or IP67 |
| Output Connector | SB50/ SB75/ SB 120/ Chogori/ ESS Connector |
| Safety & Protection Features | Made of steel-aluminum with fire-resistant. Ventilation & gas exhaust to prevent gas build up. Thermal Management System. |



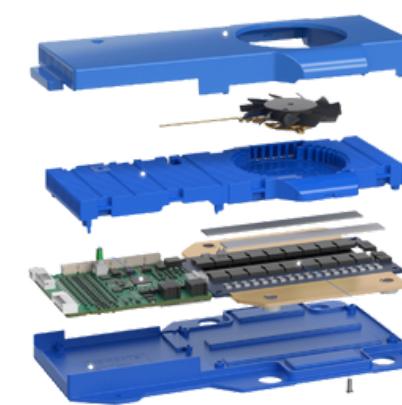
NMC batteries have high energy density, support quick charging, and can deliver high power, allowing for compact designs that save space and weight.



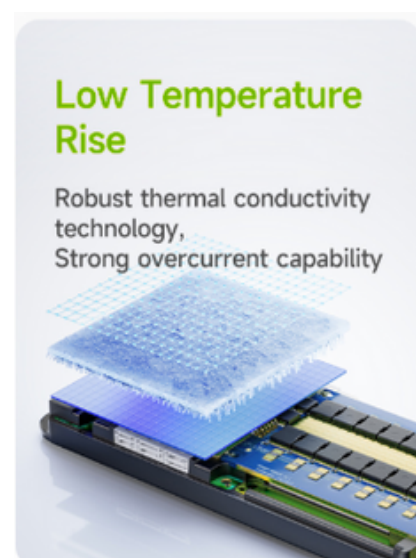
NMC batteries have a low internal resistance, making them suitable for applications that require high efficiency.



CID (Current Interrupt Device) permanently disconnects on overpressure.



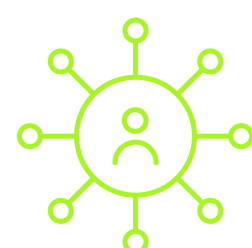
Built-in Smart Battery Management System (BMS) to ensure the safe, efficient, and long-lasting operation of a battery packs.



High thermal stability and resistance to thermal runaway.



Our innovative pack design, rigorous testing, analysis, and characterization, as well as cutting-edge BMS technology, provide the highest level of safety.



Our battery is the most economical and high-quality option on the market, providing outstanding value for money.



Tesson Energy uses a highly controlled and cutting-edge technology to make high-performance lithium battery packs. Each step is intended to promote safety, dependability, and long cycle life.

