

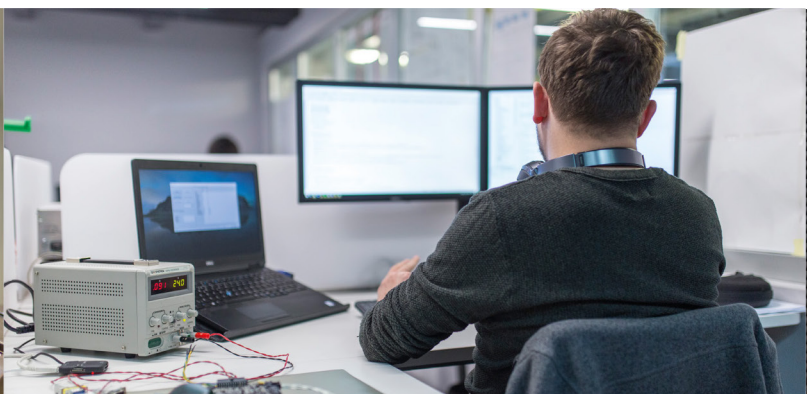
NMC 610 Battery (61kWh , 613V)

Energy & Power Optimized Battery Pack

SYSTEM FEATURES



- ✦ Power and Energy optimized
- ✦ Cycle Life Expectancy > 3000 Cycles
- ✦ Liquid thermal management
- ✦ Integrated BMS and CAN 2.0A Controlled
- ✦ Integrated Precharge and Isolation Measurement
- ✦ Parallel Topology for Multiple Packs in One Vehicle
- ✦ Development according to ECE R100.2, ECE R10 and UN38.3 - possible
- ✦ Development according to ISO 26262 upto ASIL C - possible



BATTERY PACK SPECIFICATIONS

ELECTRICAL DATA	VALUE	UNIT
Cell Type	NMC	
Energy (Installed / Usable)	61 / 55	kWh
Capacity	100	Ah
Nominal Voltage	613	V
Voltage - min. / max	500 - 722	V
Charge Power Cont.	61	kW
Charge Power Peak 10s	160	kW
Discharge Power Cont.	61	kW
Discharge Power Peak 10s	160 - (Optional 250)	kW
Expected Cycle Life*	>3000	Cycles

MECHANICAL DATA		
Pressure drop @10l/min and 25°C	<0.5	bar
Operating Temp. during discharging	-30 ~ 55	°C
Protection classes	IP67	
Weight	440 ± 10	kg
Dimension	1665 x 650 x 285	mm

* Depends on various parameters like Power, DoD and temperature.

SYSTEM OPTION 1

Vehicle PDU

HV Distribution



SYSTEM OPTION 2

Battery System PDU

2-8 Parallel Battery Pack



DIMENSIONS

