

LFP 385 Battery (38,5kWh , 384V)

Energy & Power Optimized Battery Pack

SYSTEM FEATURES



- ↪ Safe LFP Chemistry
- ↪ Cycle Life Expectancy > 3500 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	LFP	
Energy (Installed / Usable)	38,5 / 35	kWh
Capacity	100	Ah
Nominal Voltage	384	V
Voltage - min. / max	336 - 438	V
Charge Power Cont.	38,5	kW
Charge Power Peak 10s	79	kW
Discharge Power Cont.	38,5	kW
Discharge Power Peak 10s	79	kW
Expected Cycle Life*	>3500	Cycles

MECHANICAL DATA		
Pressure drop @10l/min and 25°C	<0.5	bar
Operating Temp. during discharging	-20 ~ 55	°C
Protection classes	IP67	
Weight	370 ± 10	kg
Dimension	1050 x 700 x 340	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

