

# LTO 280 Battery (28kWh , 607V)

Energy & Power Optimized Battery Pack

## SYSTEM FEATURES



- ↪ Extremely Safe LTO Chemistry
- ↪ 6C Continuous Charge / Discharge
- ↪ Cycle Life Expectancy >20.000 Cycles
- ↪ Liquid thermal management
- ↪ Integrated BMS and CAN 2.0A Controlled
- ↪ 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	LTO	
Energy (Installed / Usable)	28 / 22,4	kWh
Capacity	46	Ah
Nominal Voltage	607	V
Voltage - min. / max	396 - 713	V
Charge Power Cont.	160	kW
Charge Power Peak 10s	250	kW
Discharge Power Cont.	160	kW
Discharge Power Peak 10s	160 - (Optional 250)	kW
Expected Cycle Life	>20.000	Cycles

MECHANICAL DATA		
Pressure drop @10l/min and 25°C	<0.5	bar
Operating Temp. during discharging	-30 ~ 55	°C
Protection classes	IP67	
Weight	480 ± 10	kg
Dimension	1524 x 866 x 315	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**

