

High Power Series HP 28 Battery

Energy & Power Optimized Battery Pack

SYSTEM FEATURES

- ✦ Power and Energy optimized
- ✦ Cycle Life Expectancy > 20000 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 ECER100.2, ECER10 and UN38.3 - possible
- ✦ Development according to ISO26262 upto ASIL C - possible



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Altınay Elektromobilite ve Enerji Teknolojileri AŞ.
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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 - 712	V
Charge Power Cont.	160	kW
Charge Power Peak @10s	160 (opt. 250)	kW
Discharge Power Cont.	160	kW
Discharge Power Peak @10s	160 (opt 250)	kW
Cycle Life Expectancy @80DOD	> 20000	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
Dimensions	1700 x 1065 x 315	mm

SYSTEM OPTION 1

Vehicle PDU

HV Distribution



SYSTEM OPTION 2

Battery System PDU

2-8 Parallel Battery Pack



DIMENSIONS

