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Thousands of configurations.



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Mechanical Specification

Parameter	Value
Casing	Aluminium
Volumetric energy density	Up to 300 Wh/l
Gravimetric energy density	Up to 200 Wh/kg
Protection class	IP67
Operating temperatures	-40...+60 °C
Vent	Gore PMF200542

Hardware

Connection	Connector type
LV communication	TE 776163-5
HV	+ Amphenol HVSL1000023A150
	- Amphenol HVSL1000023A150
MSD	Amphenol PCD MSDXLM630
Coolant	Araymond VDA QC NW20 - XA2
Contactors	EVC 500

Electrical Specification

Parameter	Value
Energy	20-300 kWh
Voltage nom.	200-800 V
Discharging cont.	1-3C
Discharging peak	10C
Charging cont.	0.5-1C
Charging peak	3C
Parallel	1-20

Cooling Specification

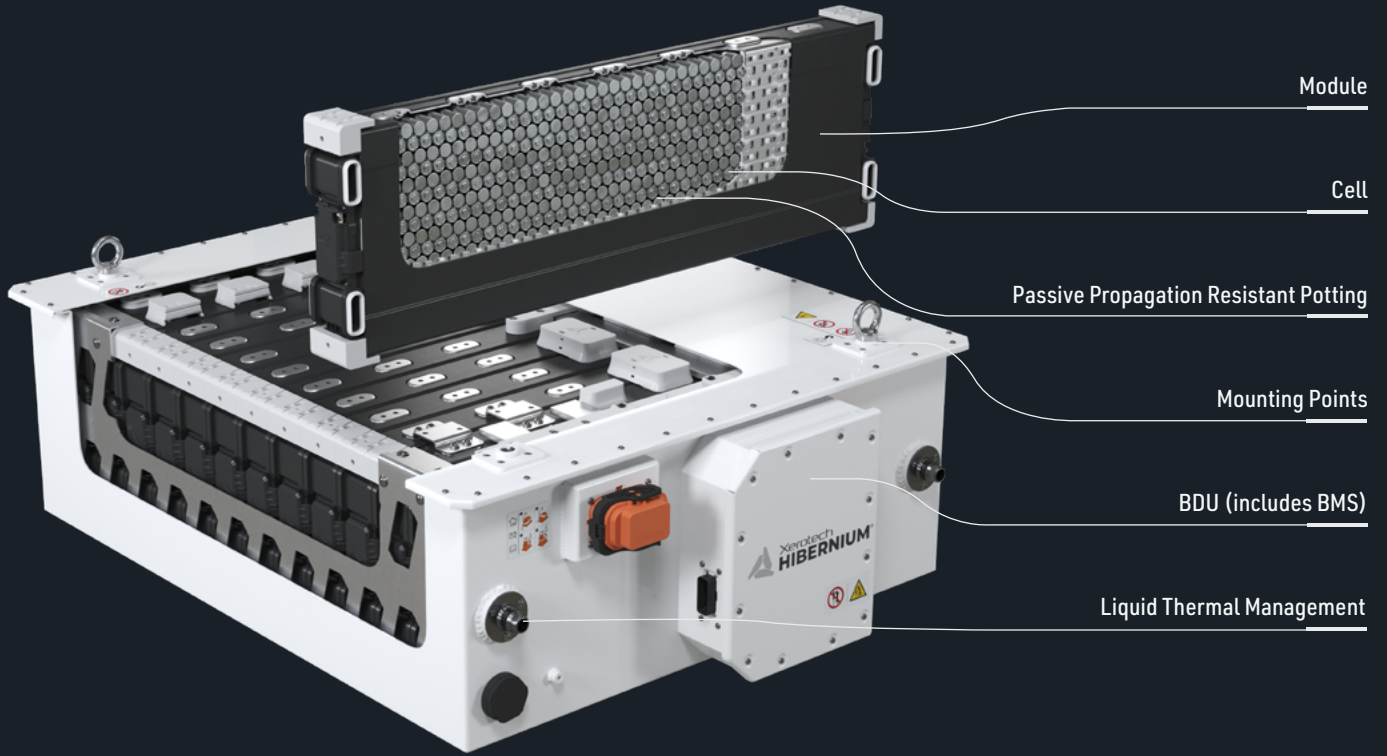
Parameter	Value
Coolant	Water/Glycol 50/50
Coolant pressure max.	1 bar
Pressure drop	<500 mbar @ 100 l/min
Coolant flow rate	10-200 l/min

Communication

Parameter	Value
Protocol	CAN J1939
Baud rate	500 kpbs



High Level Battery Pack Architecture



Module

Cell

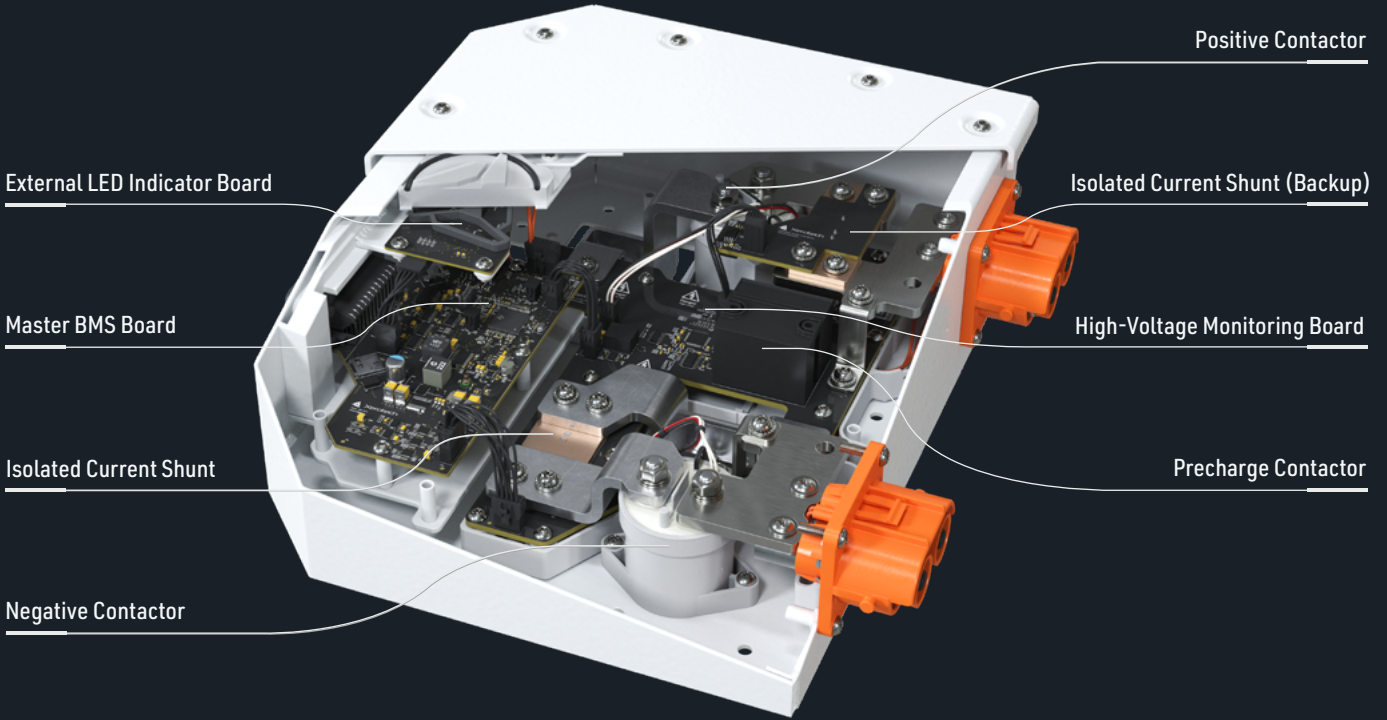
Passive Propagation Resistant Potting

Mounting Points

BDU (includes BMS)

Liquid Thermal Management

High Level BMS Architecture



Positive Contactor

Isolated Current Shunt (Backup)

High-Voltage Monitoring Board

Precharge Contactor

External LED Indicator Board

Master BMS Board

Isolated Current Shunt

Negative Contactor