

13,2kWh, 662V



SUPPORTED VEHICLES

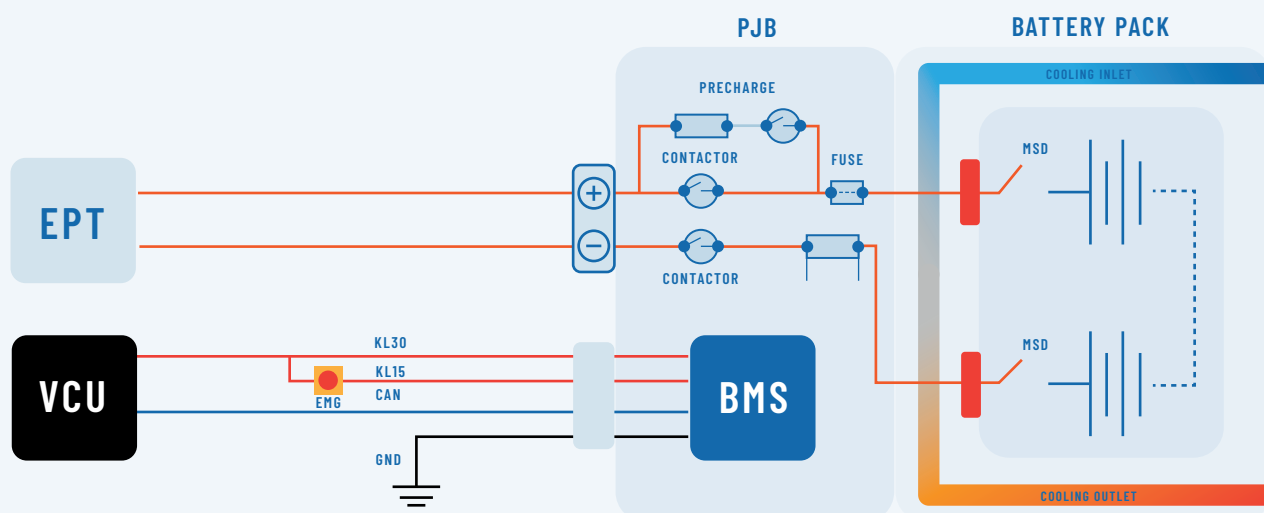


SYSTEM FEATURES

- + Bus, truck, light commercial vehicle, construction machines, marine and railways applications
- + ECE R100.3, ECE R10.6 and UN38.3 certifications
- + Lloyd's Register certification for marine applications
- + IATF 16949:2016-Certified Manufacturing
- + Compatible design according to ISO 26262 up to ASIL C
- + Common PJB (Pack Junction Box) for all products
- + Efficient liquid cooling system
- + CANBus 2.0A-B communication protocol
- + Integrated BMS (Battery Management System)
- + Integrated precharge circuit and isolation measurement



BATTERY PACK LAYOUT



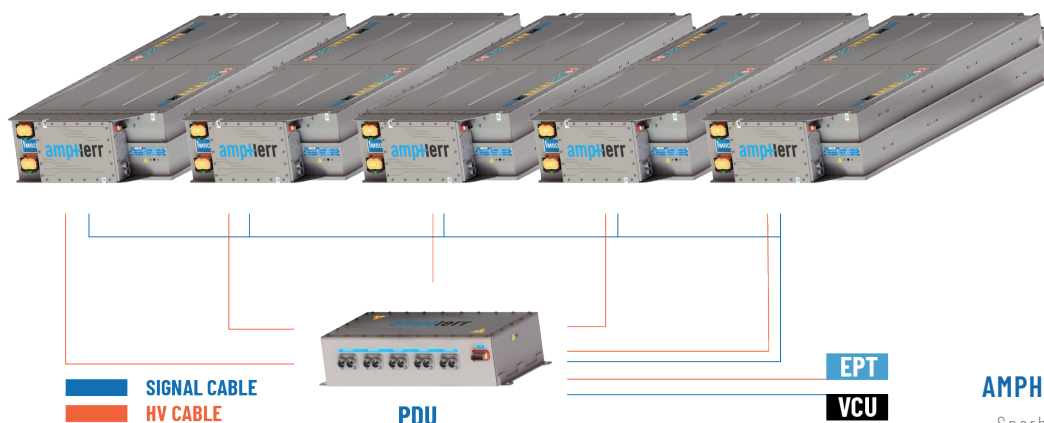
ELECTRICAL SPECIFICATIONS

	VALUE	UNIT
Cell Chemistry	LTO	
Installed Energy @1/3C	13,2	kWh
Energy Density @1/3C	up to 50	Wh/kg
Capacity @1/3C	20	Ah
Nominal Voltage	662	V
OCV Range @ 10-90% SoC	608 - 711	V
Min-Max Voltage Range	432 - 778	V
Cont. Charge Current @ 25°C, SoC dependent, step charge	140	A
Peak Charge Current @ 10s, 25°C, SoC dependent	377	A
Cont. Discharge Current @ 25°C, SoC dependent	140	A
Peak Discharge Current @ 10s, 25°C, SoC dependent	377	A
Cycle Life (based on user power profile, DoD and temp.)	> 20000	cycle
Communication Protocol	CANBus 2.0A-B	
Supply Voltage for Control Equipment	12/24	V

MECHANICAL SPECIFICATIONS

	VALUE	UNIT
Cooling Type	Liquid Cooling	
Flow Rate	10-15	l/min
Pressure Drop @10l/min and 25°C	< 300	mbar
Coolant Operating Pressure	< 2	bar
Operating Temperature @discharge	-30 ~ 55	°C
Operating Temperature @charge	-30 ~ 55	°C
Recommended Operating Temperature	15 ~ 35	°C
Storage Temperature	-40 ~ 60	°C
IP Rating (when the plug connectors are mated)	IP67	
Weight	264	kg
Dimensions-2V16 (L x W x H)	960x690x285	mm

MULTIPLE BATTERY SYSTEM



AMPHERR AG

Sperberweg 18
41468 Neuss
sales@ampherr.com

ampherr

Redefinition of Current!