

## 35kWh - 666V



### SUPPORTED VEHICLES

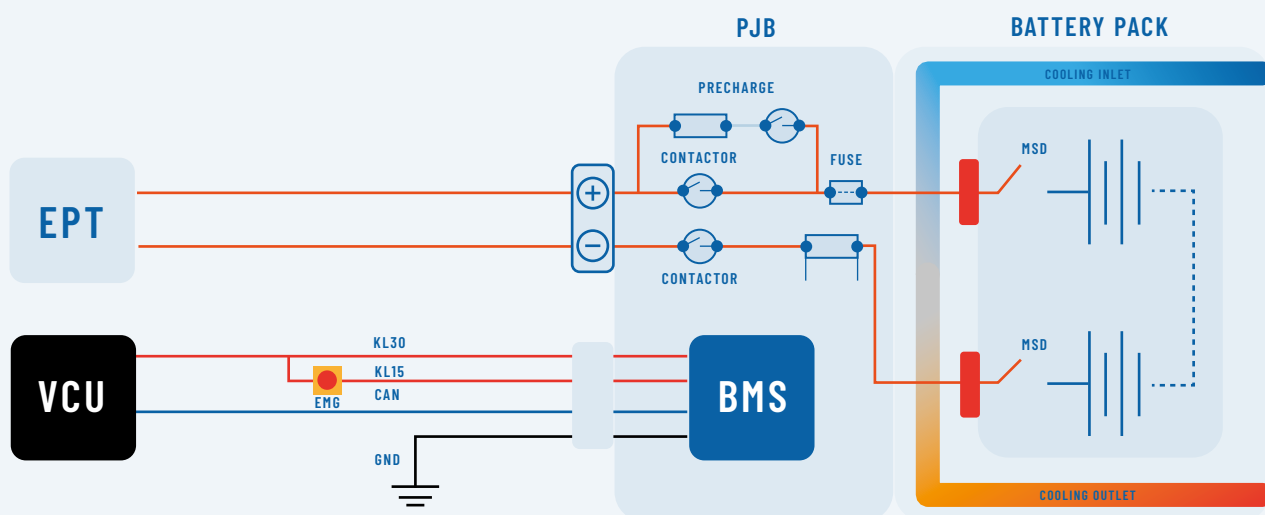


### SYSTEM FEATURES

- + Bus, truck, industrial machine and marine applications
- + Freely scalable and robust structure
- + Common PJB (Pack Junction Box) for all products
- + Efficient liquid cooling system
- + CANBus 2.0A-B communication protocol
- + Integrated Battery Management System
- + Integrated precharge circuit and isolation measurement
- + ECE R100.2, ECE R10 and UN38.3 certifications
- + IATF 16949:2016 certification (2024-Q1)
- + Compatible design according to ISO 26262 up to ASIL C - possible



### BATTERY PACK LAYOUT



## BATTERY PACK SPECIFICATIONS

	VALUE	UNIT
Cell Chemistry	NMC	
Installed Energy @1C	35,3	kWh
Capacity	53	Ah
Min Voltage	504	V
Nominal Voltage	666	V
Max Voltage	783	V
Cont. Charge Power @25°C %50 SoC	35	kW
Peak Charge Power (10s) @25°C %50 SoC	71	kW
Cont. Discharge Power @25°C %50 SoC	35	kW
Peak Discharge Power (10s) @25°C %50 SoC	141	kW
Cycle Life (based on user power profile, DoD and temp)	> 2000	cycle
Communication Protocol	CANBus 2.0A-B	
Supply Voltage for Control Equipments	12 / 24	V

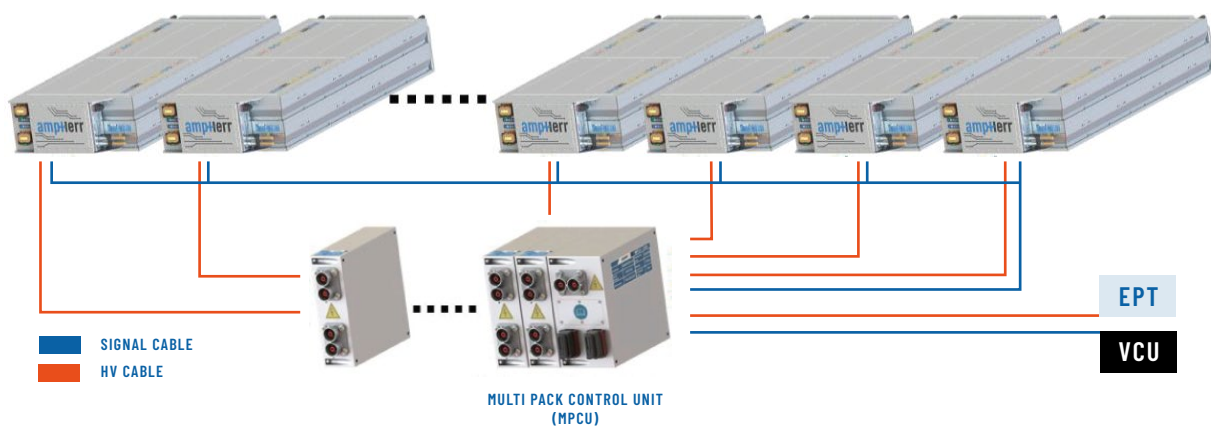
## MECHANICAL SPECIFICATIONS

	VALUE	UNIT
Cooling Type	Liquid Cooling	NULL
Pressure Drop @10l/min and 25°C	< 300	mbar
Coolant Operating Pressure	up to 2	bar
Operating Temperature @discharge mode	-30 ~ 55	°C
Recommended Operating Temperature	-15 ~ 35	°C
Storage Temperature	-40 ~ 60	°C
IP Rating	IP67	
Weight *	255	kg
Dimensions (LxWxH) *	980x690x285	mm

\*When the plug connectors are mated.

\*\*The weight can vary based on the type of module.

## MULTIPLE BATTERY SYSTEM



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Redefinition of Current!