



**battery
systems**
from idea to series



**Battery Pack
AMEP-Series**



**BMS
integrated**



**IP65
rating**



**Heating
integrated**



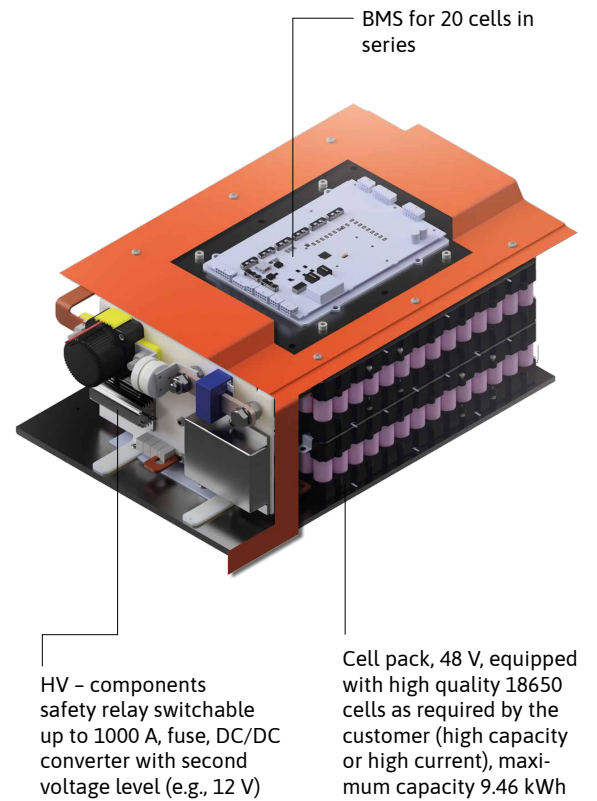
**CAN
ready**



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information

Specification

- Robust aluminium housing
- Lithium-ion cell battery pack with integrated BMS
- Integrated safety fuse
- Positive pole switched automatically by a relay
- Wake up via 12 V signal, button or external CAN command
- Secondary 12 V external (optional)
- Degree of protection IP65
- Integrated active heating
- Industrial connector for easy and safe handling
- Several energy packs can be connected in parallel
- Available with user interface and splash-resistant housing



Technical Details

EP	NOMINAL 50.4 V		NOMINAL 100.8 V	
	44	49	88	97
Energy	4.4 kWh	4.9 kWh	8.8 kWh	9.7 kWh
Power	87.6 Ah	96.6 Ah	87.6 Ah	96.6 Ah
Max. Charging Current	140 A	45 A	140 A	45 A
Max. Discharge Current	250 A	220 A	250 A	220 A
Temperature Charge	0 – 45 °C		0 – 45 °C	
Temperature Discharge	-20 – 60°C		-20 – 60°C	
Charging Voltage	58.8 Vdc		117.6 Vdc	
Nominal Voltage	50.4 Vdc		100.8 Vdc	
Weight	30 kg		57.5 kg	
Dimensions	432 x 308 x 180 mm		733 x 308 x 180 mm	

BMS

- Balancing up to 300 mA
- PC program for monitoring and parameterization
- Isolated CAN up to 1 Mbit/s
- Second internal CAN
- Parallel and series connection of batteries
- Real time clock
- SD-Card for data-loggin
- Pre-Charge control
- Intern heating 30 W