

VERSORA LMFP Battery System

For Heavy Duty Electric Vehicles



E-Vehicles



Industrial



Light Mobility
& Transport



Portables



Stationary
Storages



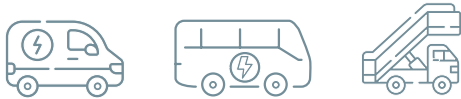
Innovation

VERSORA LMFP Battery System

The modular battery system, consisting of two different module shapes (**Compact & Versus**), enables an ideal fit to the specific needs of each application, such as:

Electric buses

(including trolleybuses, airport buses, city buses, hydrogen buses, school buses)



Heavy-duty applications

operating On-Road/Off-Road (construction, agriculture, specialty applications)



Technical Details

Variant	Compact	Versus
Type of cell	Prismatic LMFP	
String Topology	Up to 184S on the system level	
Module Topology	46S01P	92S01P
Nominal Capacity	151 Ah	
System Voltage (100% DOD)	46S: 164 V (115 V ... 193 V) 92S: 328 V (230 V ... 386 V) 184S: 656 V (460 V ... 773 V)	
String Energy	46S: 24,8 kWh 92S: 49,6 kWh 184S: 99,2 kWh	
Dimension (L x W x H)	980 x 650 x 140 mm (w/o connectors) 1040 x 650 x 140 mm (incl. connectors)	1080 x 650 x 140 mm (w/o connectors) 1940 x 650 x 140 mm (incl. connectors)
Energy density	Up to 159 Wh/kg	Up to 163 Wh/kg
Discharge current @ +10 ... +45°C	Const: >1C @ SOC >25%, up to 200 A Peak 30sec.: 300 A @ SOC >= 15% SOC	
Charge current @ +10 ... +45°C	RMS 187 A (standard charge) @ SOC 0 ... 80% Const Fast Charge: 200 A @ SOC +10% ... 65%	
IP Rating	IP67	
Parallel connection	Possible up to 8 battery strings (with external Master BMS)	
Regulations and Standards Consideration	ECE R10.07, ECE R100.04, UN 38.3, Regulation (EU) 2023/1542, ISO 26262, GBT 31467.3 (vibration), ISO 12405 (vibration), ISO 14229 (UDS), SAE J1939 (including DM messages), ISO 7637-2 Support for ECE R155 / R156 certification (cybersecurity)	



Any questions?

Contact us, we will be pleased to advise you.

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