

VERSORA Battery System

designed for heavy-duty applications



E-Mobility



Drive
System



Energy Storage
Systems



Power- and
Garden Tools



Industrial



Medical

VERSORA LFP Battery System

The **modular battery system**, consisting of two different battery 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 Information

Variant	Compact	Versus
Type of cell	Prismatic LFP	
String Topology	up to 192S on the system level	
Battery topology	48S01P / 32S01P	96S01P / 80S01P
Nominal Capacity	141 Ah	
System Voltage (100% DOD)	voltage class. B_420, B_470	voltage class. B_750
	112S: 361V (303 V ... 408 V)	176S: 567V (477 V ... 642 V)
	128S: 412V (347 V ... 467 V)	192S: 618V (520 V ... 700 V)
String Energy	voltage class. B_420, B_470	voltage class. B_750
	112S: 50,6 kWh	176S: 79,6 kWh
	128S: 57,9 kWh	192S: 86,8 kWh
Dimension (L x W x H)	980 x 650 x 140 mm (w/o connectors)	1880 x 650 x 140 mm (w/o connectors)
	1040 x 650 x 140 mm (incl. connectors)	1940 x 650 x 140 mm (incl. connectors)
Energy density	up to 142 Wh/kg	up to 138 Wh/kg
Discharge current @ +10 ... +45°C	Const: up to 200 A Peak 30sec.: 300 A	
Charge current @ +25 ... +45°C	RMS 188 A (fast charge) @ SOC 0...80%	
IP Rating	IP67	
Parallel connection	possible up to 8 battery strings (with external Master BMS)	
Regulations and Standards Consideration	ECE R10.06, ECE R100.03, 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 certification R155/R156 (Cyber security)	

Any questions?

Contact us, we will be pleased to advise you.

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