Robotina d.o.o.
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

1. eSTORE 512-1000-O

LiFePO4 HV battery rack



Order code:	**eSTORE 512-1000-O**
Description:	High performance battery pack
Technology:	LiFePO4
Cell:	Grade A prismatic cell
Cycles:	Over 6500 cycles with 80% DoD
Battery module:	rb_512-100-r
BMS:	High end BMS
Inverter compatibility:	Deye and most other inverters
EMS compatibility:	Robotina xEMS, Modbus

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1.1. Features

Industry grade ESS with high energy and power density, scalability and excellent performance. When integrated with Robotina xEMS, this LiFePO4 battery implements client's energy strategy.

1.2. Technical specification

Nominal capacity:	51.2kWh
Nominal voltage:	512V
End of discharge voltage:	440V
Charging voltage:	584V
Continuous Charge I:	100A
Continuous Discharge I:	100A
Peak Charge/Discharge I:	150A
Internal impedance:	>10mOhm
Charge temperature:	0..45°C
Discharge temperature:	-10..50°C
Parallel Connection:	up to 10 (more optional
MBS communication:	CAN/S485
Self discharge:	<2.5%/Mo
Weight:	700kg
Dimensions (WxHxD):	700x2250x700mm
Installation method:	floor-standing
Environment:	Outdoor IP54
Air conditioning:	1.5 kW, DC power