

# eSTORE 512-1000-O

## LiFePO4 HV battery rack



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

## 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.

## 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

