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

1. eSTORE 512-2800-O

LiFePO4 HV battery rack



Order code:	**eSTORE 512-2800-O**
Description:	High performance battery pack
Technology:	LiFePO4
Cell:	Grade A prismatic cell
Cycles:	Over 6500 cycles with 80% DoD
Battery module:	rb_512-280-r
BMS:	High end BMS
Inverter compatibility:	Deye and most other inverters
EMS compatibility:	Robotina xEMS, Modbus

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:	143kWh
Nominal voltage:	512V
End of discharge voltage:	440V
Charging voltage:	560V
Continuous Charge I:	150A
Continuous Discharge I:	150A
Peak Charge/Discharge I:	200A
Internal impedance:	>10mOhm
Charge temperature:	0..45°C
Discharge temperature:	-10..55°C
Parallel Connection:	up to 10 (more optional)
MBS communication:	CAN/S485
Self discharge:	<2.5%/Mo
Weight:	1500kg
Dimensions (WxHxD):	1300x1220x980mm
Installation method:	floor-standing
Environment:	Outdoor IP54
Air conditioning:	1.5 kW, DC power