

# eSTORE 512-2800-60-O

**LiFePO4 HV battery rack + 60kW HV inverter**



Order code:	<b>eSTORE 512-2800-60-O</b>
Order code HV inverter:	<b>HV-60-3P-01</b>
Description:	High performance battery pack
Technology:	LiFePO4
Cell:	Grade A prismatic cell
Cycles:	Over 6500 cycles with 80% DoD
Rack batteries:	<b>RB 512-280-R</b>
BMS:	High end BMS
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 for battery

Nominal capacity:	143.36kWh
Nominal voltage:	512V
End of discharge voltage:	460V
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

# Technical specification for inverter

## AC output data

Rated output power of AC and UPS (W):	60000
Rated AC Input/Output current(A) :	91/87
Max AC Input/Output current(A):	100/95.7
Output frequency and voltage:	50/60Hz; 230Vac/400Vac (3 phases)

## PV input data

Max DC input power (W):	96000
PV input voltage (V):	1000
Starting voltage (V):	180
PV input current (A):	36+36+36+36+36+36

## Connected battery input data

Battery voltage range (V):	160-1000
Max charging current (A):	80+80
Max discharging current (A):	80+80

## General technical data

Working temperature (°C):	-40 ~ 60
Communication with BMS:	RS485,RS232, CAN
Weight (kg):	97,5
Degree of protection (IP):	IP65

## Dimensions

