

eSTORE 512-2800-75-O

LiFePO4 HV battery rack + 75kW HV inverter



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|-------------------------|-------------------------------|
| Order code: | eSTORE 512-2800-60-O |
| Order code HV inverter: | hv-75-3p-01 |
| Description: | High performance battery pack |
| Technology: | LiFePO4 |
| Cell: | Grade A prismatic cell |
| Cycles: | Over 6500 cycles with 80% DoD |
| Rack batteries: | rb_512-280-r |
| BMS: | High end BMS |
| 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 for battery

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|---------------------------|--------------------------|
| 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

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|---------------------------------------|-----------------------------------|
| Rated output power of AC and UPS (W): | 75000 |
| Rated AC Input/Output current(A) : | 113.7/108.7 |
| Max AC Input/Output current(A): | 125/119.6 |
| Output frequency and voltage: | 50/60Hz; 230Vac/400Vac (3 phases) |

PV input data

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|-------------------------|-------------------|
| Max DC input power (W): | 120000 |
| PV input voltage (V): | 1000 |
| Starting voltage (V): | 180 |
| PV input current (A): | 36+36+36+36+36+36 |

Connected battery input data

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

General technical data

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

Dimensions

