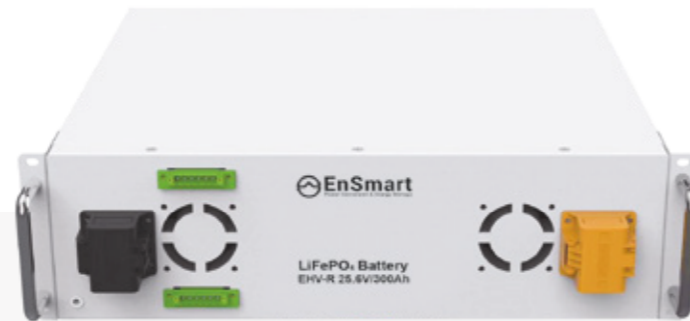


# High Voltage Lithium Batteries

# EHV-R25300

## 25.6V/300Ah

EHV-R Series high voltage Grid-scale ESS rackmounted battery module is the basic energy storage unit of the energy storage system designed specially for commercial & industrial ESS solutions. The module selects high-consistency lithium iron phosphate battery cells, which can be packaged into groups through reasonable series-parallel connection and can achieve the following conditions 1000VDC use.



## Flexible

- Modular design
- Can support many clusters in parallel up to MWH capacities

## Smart

- Intelligent 3-level BMS

## Reliable

- High safety LiFePO4 battery; Fire-safe, non-toxic; Lithium iron phosphate (LFP) cells
- Meet UL1973, IEC62619 UN38.3 certification. Battery cells comply with UL9540A standard

## Technical Specifications

Model	
<b>Cell</b>	
Nominal Voltage	3.2V
Charge Limit Voltage	3.8V
Nominal Capacity	300Ah
Nominal Charging / Discharging Current	150A
Max. Constant Charging / Discharging Current	300A
Discharge Cut-off Voltage	2.85V
<b>Battery Module</b>	
Battery Module Rated Energy	7.68kWh
Battery Module Voltage	25.6V
Battery Module Rated Capacity	300Ah
Maximum Charge Voltage	30.4V
Discharge Cut-off Voltage	22.8V
Depth of Discharge	80% DoD
Battery Modules Rack Configuration	22S (Configurable)
Charge method	Constant Current Charging (CC)
Cooling Method	Fan
Communication	RS485 / CAN
Weight	60 kg
Dimensions (WxDxH)	385 x 435 x 155 mm
Operating Temperature	-20°C~+55°C
Certifications	CE, UN38.3, UL1973

## Highlights



FLEXIBLE



INTELLIGENT



SAFE AND RELIABLE