

## On-grid All-in-One Energy Storage System

### BESS 125-271



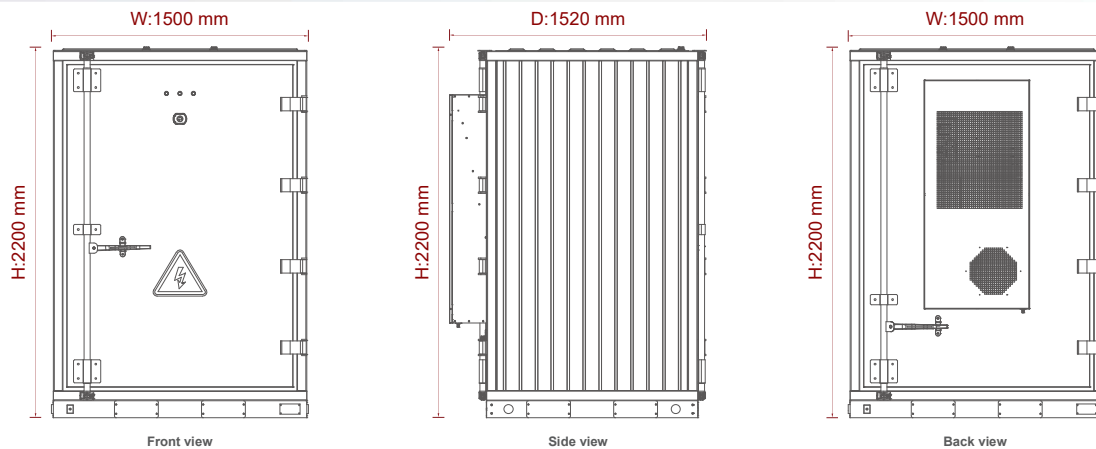
#### • Features

- Two level BMS built-in.
- Intelligent thermal management system
- IP55 fire and explosion proof cabinet.
- Fire proof devices in each modular and in the cabinet.
- Easy for on site installation.

#### • Product Introduction

**YIY BESS 125-271** all-in-one commercial and industrial ESS integrates PCS, BMS, EMS, battery, intelligent thermal management, power distribution, fire protection, etc. Its all-in-one design facilitates installation and O&M. Also, the system's safety design ensures better battery performance and longer service life. Multiple cabinets can be directly connected in parallel for system expansion.

#### • Product Dimensions



• Technical Parameter

<b>BESS 125-271</b>		
<b>Battery Parameters</b>		
<b>Battery Module</b>	Voltage	57.6V
	Capacity	314 Ah
	Energy	18 kWh
	Cooling method	Intelligent constant temperature system
<b>Battery Cluster</b>	Rated voltage	864V
	Grouping method	1P 270 S
	Rated capacity	314 Ah
	Output voltage range	756V~950V
	Rated energy	271kWh
	Max continuous charging current	157 A
	Max continuous discharge current	157 A
<b>PCS Parameters</b>		
<b>PCS Parameter</b>	Rated current	181A
	PCS overload capacity	x1.1 continuous;x1.25(30ms)
	PCS output power	125kW
	Maximum continuous output power	137.5kW
	Total THDi	≤3%
	Maximum efficiency	≥98.5%
	AC-side voltage of PCS	3P3W+PE/3P4W+PE, 400 V
	Frequency	50Hz/60Hz
	Power factor	-1~1
		Battery side voltage
<b>Parallel</b>	Parallel No.	Max 5 pcs
<b>System Parameters</b>		
<b>System Parameters</b>	Dimension(W*D*H)	1500*1520*2200mm
	Weight(kg)	/
	Display	7-inch Resistive Touch Screen
	Fire protection systems	Aerosol Fire Module
	Degree of protection	IP55
	Certification	CE;IEC62619;UN38.3
	Working temperaturerange	-30~60°C(> 45°C derating)
	Cooling	Intelligent Thermal Management System
	Relative humidity	5~95%(No Condensing)
	Storage temperature(<6month)	0~35°C
	Short-term storage temperature(<1month)	-20~55°C
		Highest altitude