

## Hybrid All-in-One Energy Storage System

### BESS 60-217-75



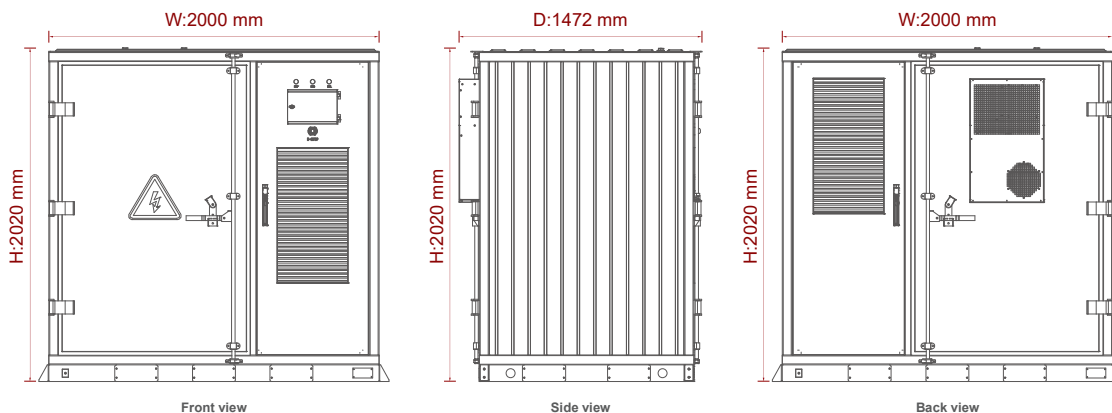
#### • Features

- 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

BESS 60-217-75		
Battery Parameters		
Battery Module	Voltage	57.6V
	Capacity	314 Ah
	Energy	18 kWh
	Cooling method	Intelligent constant temperature system
Battery Cluster	Rated voltage	691.2V
	Grouping method	1P 216 S
	Rated capacity	314 Ah
	Output voltage range	604.8V~766.8V
	Rated energy	217.03kWh
	Max continuous charging current	157 A
	Max continuous discharge current	157 A
Work Environment	Charging operation temperature range	0~45°C
	Discharging operation temperature range	-20~50°C
	Working humidity	RH≤80%
	Short-term storage temperature(<1month)	-20~55°C
Cabinet	Storage humidity	RH≤80%
	Protection level	IP54
PCS Parameters		
PCS	Rated current	87A
	PCS overload capacity	x 1.25(100S)
	PCS output power	60kW
	AC-side voltage of PCS	3P/N/PE, 230 V / 400 V
	Frequency	50Hz/47Hz~52Hz(60Hz/57Hz~62Hz)
	Power factor	-1~1
	Battery side voltage	420V-850 V
PV	Max power	38.4kW+38.4kW
	Number of branch inputs	2
	PV Max voltage	850V
	PV startup voltage	250V
	MPPT voltage range	200V-800V
	PV Max current	64A+64A
System Parameters		
System Parameters	Dimension(W*D*H)	2000*1472*2020mm
	Weight(kg)	< 2900
	Display	7-inch Resistive Touch Screen
	Fire protection systems	Aerosol Fire Module
	Degree of protection	IP54
	Certification	CE;IEC62619;UN38.3
	Working temperaturerange	-30~60°C(> 45°C derating)
	Cooling	Air Cooling
	Relative humidity	5~95%(No Condensing)
	Highest altitude	4000m(>2000m derating)