

Hybrid All-in-One Energy Storage System

BESS 50-126-75



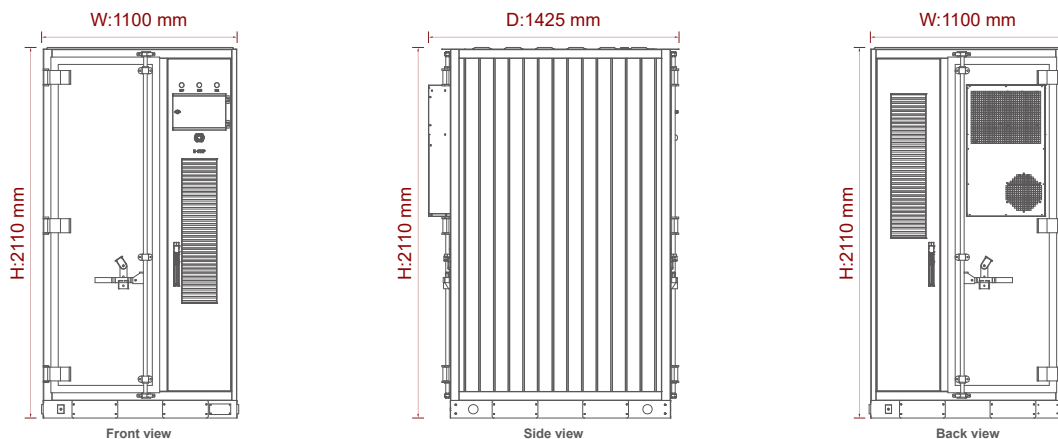
• Features

- 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 50-126-75 | | |
|--------------------|--------------------------------------|---|
| Battery Parameters | | |
| Battery Module | Voltage | 57.6V |
| | Capacity | 314Ah |
| | Energy | 18 kWh |
| | Cooling method | Intelligent constant temperature system |
| Battery Cluster | Rated voltage | 403V |
| | Grouping method | 1P126S |
| | Rated capacity | 314Ah |
| | Output voltage range | 352.8V~447.3V |
| | Rated energy | 126.6kWh |
| | Maximum continuous charging current | 157A |
| | Maximum continuous discharge current | 157A |
| Work Environment | Charging temperature | 0~45°C |
| | Discharge temperature | -20~50°C |
| | Operating humidity | RH≤80% |
| | Short term storage(<1months) | -20~55°C |
| | Storage humidity | RH≤80% |
| PCS Parameters | | |
| PCS | Rated current | 73A |
| | overload capacity | x 1.25 (100S) |
| | output power | 50kW |
| | AC port voltage | 3P3W+PE/3P4W+PE, 400 V |
| | frequency | 50Hz |
| | Power factor | -1~1 |
| | Battery side voltage | 350V-850V |
| PV | Maximum power | 38.4kW+38.4kW |
| | Number of branch inputs | 2 |
| | PV Max voltage | 850V |
| | PV start voltage | 250V |
| | MPPT voltage range | 200V-800V |
| | Maximum PV current | 64A+64A |
| System Parameters | | |
| General Date | Dimension(W*D*H) | 1100*1425*2110mm |
| | Weight(kg) | 1620KGS |
| | Degree of protection | IP54 |
| | Working temperature range | -30~60°C > 45 (derating) |
| | Cooling | Air Cooling |
| | Relative humidity | 5~95%(no condensation) |
| | Highest altitude | 4000m(>2000m derating) |