jntech

# All-In-One Energy Storage System for Industry

*Bi-directional energy storage inverter
*Energy storage battery unit
*DC combiner box
*AC distribution box
*Battery management system(BMS)
*Fire protection & Temperature control

## Features:

- Super long life lithium iron phosphate battery , 96% energy conversion efficiency;
- Dynamic balance battery management technology;
- Quickly and automatically battery maintenance, monitor battery voltage and temperature in real time;
- Automatically switch to on-grid or off-grid in milliseconds LCD touch screen, real-time display of battery and PCS status;
- Open Ethernet or RS485 (optional) interface;
- Adopt the omni-directional and multi-level battery protection strategy, fault isolation measures and alarm control methods.

| Item | | Data | Note |
|---|---|---|---|
| Rated capacity | | 1.078Mwh | Environment temp 25℃ |
| Rated charge/discharge power | | 250kW | AC side |
| Cell | | LFP/3.2V 60Ah | Square aluminum shell |
| DC input voltage range | | 600~900V | PCS DC side |
| Total battery voltage | | 748.8V | one series 8pcs per series |
| AC rated current | | 360A | |
| Rated output voltage | | 400Vac | Voltage range ± 15%(configurable) |
| Rated output frequency | | 50-60Hz | Frequency range ± 2.5Hz(configurable) |
| Output power factor | | -1 ~ +1 | Continuous adjustable |
| Output THDi | | ≤3% | rated condition |
| Max efficiency | | 97.3% | |
| Environment temp of container | | -15℃ ~ +50℃ | |
| Best environment temp of battery | | +10℃ ~ +35℃ | |
| Permissible relative humidity | | 5% ~ 95% | Non-condensing |
| Permissible elevation | | ≤2500m | >2500m derate operating |
| Noise | | <78dB | Measured outside container |
| Protection level | | IP54 | Battery storehouse |
| Dimension (W*D*H)(mm) | | 12192*2438*2896 | |
| Weight | | 12000kg | |
| Container | Grid | 1line | Three-phase four-wire |
| | Load | 1line | |
| | Earthing | 1line | |
| | Com | 1line | Ethernet MODBUS (TCP/IP) protocol |