



3rd Generation Modular Containerized BESS Storage System

3rd Generation Modular Containerized BESS
 Support 1C charging/discharging
 Comprehensive grid-connection certificates
 Support grid frequency regulation service, response time < 200 ms

Cost effective

One-stop transportation, installation;
 Rapid deployment,
 Reducing project costs.

safe and stable

LFP battery with inter-cluster isolation technology,
 Patented design to prevent open flames from leaking out.

Modular O&M

Modular design, partitioned O&M,
 Improve system availability.

Flexible Expansion

Flexible configuration on demand, modules
 Splicing; supports multiple units in parallel
 Collaborative control.



Industrial Park & Community

Peak shaving & load shifting
 Time-of-use electricity price arbitrage



PV + BESS + EV Charging Station

Power extension
 Save electricity bills
 Low carbon and environmental protection



Grid Ancillary Service

FR application
 1C rate charging/discharging
 Fast response

PRODUCT PARAMETERS

| Item | P1000C1182 |
|---------------------------|---|
| Battery Parameters | |
| Battery cell | LiFePO 4 - 280Ah |
| Battery module | 1P20S |
| Battery string | 1P220S (11 modules) |
| Battery System | 6*1P220S |
| Battery Capacity (BOL) | 1182kWh |
| Battery voltage range | 616V~792V |
| AC side parameters | |
| Grid type | PCS side: 400V , 3P3W |
| Rated output power | 1000kW |
| Rated voltage | AC400V |
| Rated frequency | 50/60(±5)Hz |
| Maximum output current | 1442A |
| Output harmonics | < 3% (at rated power) |
| Overload capacity | 110% , 10mins ; 120% , 60s |
| Common parameters | |
| Protection level | Outdoor installation (Battery cabinet: IP55 , electrical compartment: IP54) |
| Cooling method | Battery Cabinets: industrial air conditioning, electrical compartment: forced air cooling |
| Anti-corrosion level | C3 |
| Operating temperature * | -30°C~55°C |
| Relative humidity | 0~95% (no condensation) |
| Working altitude ** | <2000m |
| Fire Fighting System | Fire Alarm & FM200/ Novec1230 |
| Noise | ≤75dB |
| Dimension | 20HQ Container (6058mm*2438mm*2896mm) |
| Weight | 18500kg |
| Communication Interface | Ethernet, RS485 |
| Protocol | Modbus TCP/IP , Modbus-RTU |
| Certification | |

System: IEC/EN61000 , IEC/EN62477

Battery cell: GB/T 36276 , IEC 62619 , UL1973 , UL1642 , UL9540A

PACK : UN38.3

PCS : CEI 016 , EN50549-1, EN50549-2,G99, UNE 206007, UNE 217002, IEEE 1547, IEC 61727&IEC 62116, NRS 097-2-1,NTS 631

* If the temperature exceeds 45°C , the system power will be derated. If the temperature is below -30 ° C, the system storage time cannot exceed 1 week.

* Above 2000 meters, the system will be derated.