



Ground-mounted energy storage battery

Datasheet Residential BESS

Compatibility

Tier 1 Inverter Compatibility

Safety

Multi-protection from self developed BMS

Easy to Scale Up

Be workable to be parallel based on 51.2V

Efficient Power Cost

Long cycle life and superior performance

HZEB-LCT-20

| PERFORMANCE SPECIFICATIONS | |
|---------------------------------|---------------------------------------|
| Model | HZEB-LCT-20 |
| Nominal Voltage | 51.2V |
| Sell model/Configuration | 3.2V 205Ah /16S2P |
| Capacity(Ah) | 410Ah |
| Rated Energy(kWh) | 20.992kWh |
| Max.Charge/Discharge Current(A) | 200A/200A |
| Voltage Range(Vdc) | 44.8~57.6V |
| Scalability | Up to 15 parallel |
| Communication | CAN/RS485 |
| Cycle Life | ≥6000Cycles@25°C, 80%DOD |
| Warranty Life | 10 Years (Cycle Life≥15Years(25°C)) |
| MECHANICAL SPECIFICATIONS | |
| Weight(kg) | 180kg |
| Dimension(L/W/H)(mm) | 650*265*965mm |
| Installation Mode | On the ground |
| IP Grade | IP21 |
| SECURITY AND CERTIFICATION | |
| Safety(Pack) | UN38.3,MSDS,IEC62619(CB),CE-EMC |
| Safety(Cell) | UN38.3,MSDS,IEC62619,CE,UL1973,UL9540 |
| Protection | BMS,Breaker |
| ENVIRONMENTAL SPECIFICATIONS | |
| Operating Temperature(°C) | Charge 0°C~50°C; Discharge -10°C~50°C |
| Altitude(m) | ≤2000m |
| Humidity | ≤90% (Non-condensing) |



Text and images correspond to the current state of technology at the time of printing, subject to modifications.All information is without guarantee in spite of careful editing—liability excluded



- High-security technology ensures stable and excellent performance
- Compatible with multiple inverters including Sungrow DEYE Solis Growatt Voltronic
- It provides highly efficient energy solutions for household scenarios and small commercial scenarios