Dawnice

# Energy storage battery PowerFly 6.0

**Wall-mounted / ground-mounted**

## 5kWh/10kWh
## 16kWh/20kWh


## Features

### Smart Management

- Remote fault diagnosis, upgrade and maintenance
- OCV intelligent algorithm calibration ensures SOC accuracy

### Assured Reliability

- High class of safety with built-in BMS protection.
- IP54 protection degree

### High Performance

- Big capacity with small volume for household.
- Cycle life > 8000 cycles

### Flexible Adaptability

- Quick and easy installation
- Modular design, expandable to 15 units in parallel

| PERFORMANCE SPECIFICATIONS | | | | |
|---|---|---|---|---|
| Model | HZEB-LCT-5 | HZEB-LCT-10 | HZEB-LCT-16 | HZEB-LCT-20 |
| Battery Type | $LiFePO_4$ | | | |
| Nominal Voltage | 51.2V | 51.2V | 51.2V | 51.2V |
| Configuration | 3.2V100Ah/16S1P | 3.2V206Ah/16S1P | 3.2V314Ah/16S1P | 3.2V205Ah/16S2P |
| Capacity(Ah) | 100Ah | 206Ah | 314Ah | 410Ah |
| Nominal Energy(kWh) | 5.12kWh | 10.55kWh | 16.08kWh | 20.992kWh |
| Usable Energy(kWh@80%DOD)[1] | 4.61kWh | 9.49kWh | 14.47kWh | 18.89kWh |
| Max.Charge/Discharge Current(A)[2] | 100A | 100A | 150A | 200A |
| Voltage Range(V) | 44.8~57.6V | | | |
| Scalability | Up to 15 units in parallel | | | |
| Communication Interface | CAN;RS485 | | | |
| Cycle Life (@25℃,80%DOD)[3] | ≥6000Cycles | ≥6000Cycles | ≥8000Cycles | ≥6000Cycles |
| Warranty Period[4] | 5+5 years | | | |
| Cumulative Discharge Energy | 8.2MWh | 16.9MWh | 25.8MWh | 33.7MWh |
| **PERFORMANCE SPECIFICATIONS** | | | | |
| Weight(kg) | 59kg | 83.5kg | 127kg | 180kg |
| Dimension(W*D*H) | 400*160*700mm | 460*245*640mm | 460*245*800mm | 650*265*850mm |
| Installation Method | Wall/Ground Mounted(20kWh battery ground-mounted only) | | | |
| IP Rating | IP54 | IP54 | IP54 | IP21 |
| **SECURITY AND CERTIFICATION** | | | | |
| Safety(Pack) | UN38.3,MSDS,IEC62619(CB),CE-EMC,IEC63056 | | | UN38.3,MSDS |
| Safety(Cell) | UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 | | | |
| Protection | BMS | BMS | BMS | BMS and breaker |
| **ENVIRONMENTAL SPECIFICATIONS** | | | | |
| Operating Temperature Range(℃) | Charge 0℃~55℃;Discharge-20℃~55℃ | | | |
| Altitude(m) | ≤2000m | | | |
| Humidity | ≤90%(Non-condensing) | | | |

[1] DC usable energy,test conditions: 25℃±2℃,0.5C charge & discharge,80% DOD.System usable energy may vary due to system configuration parameters.
[2] The current is affected by temperature and SOC.
[3] Battery cell life standard, using cells that meet the requirements of this standard.
[4] Conditions apply,refer to Dawnice Warranty Agreement.