

Solar Lithium Battery LBA Series (Wall Mounted & Tower Wall, 4000 Cycles)

12.8V/200Ah LiFePO4 Solar Lithium Battery

25.6V/100Ah LiFePO4 Solar Lithium Battery

25.6V/200Ah LiFePO4 Solar Lithium Battery

51.2V/100Ah LiFePO4 Solar Lithium Battery

51.2V/200Ah LiFePO4 Solar Lithium Battery



Wall mounted type

Main features

- ⊕ 24V, 48V LiFePO4 pack, superior safety and reliability.
- ⊖ Top brand cell such as CATL, BYD or GOTION.
- ⊙ Cells cycles times: ≥4000.
- ⌚ Long lifespan: 3 years warranty, 5+ years life design.
- Ⓜ With intelligent BMS system to optimize the performance.
- Ⓜ Built in 1.2A cell equalizer, can balance all cells in short time.
- ⚡ Max discharge current up to 200A, compatible with Solar system.
- 🔒 Excellent standby self-consumption as low as 4mA.
- ⚖ High density, small size and light weight.
- 📦 Wall mounted design, easy installation.
- 🛡 All around protection and unattended operation.
- 📶 Optional for LCD display or communication (CAN/RS485/RS232).



Tower wall type

Technical Parameter

| SPECIFICATION | MODEL | 12V200AH Li-LBA | 24V100AH Li-LBA | 24V200AH Li-LBA | 48V100AH Li-LBA | 48V200AH Li-LBA | 24V200AH Li-LBA | 48V200AH Li-LBA |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Battery Type | LiFePO4 | | | | | | | |
| Normal Battery Voltage(Vdc) | 12.8V | 25.6V | 25.6V | 51.2V | 51.2V | 25.6V | 51.2V | |
| Normal Capacity(25°C, 0.2C)(WH) | 2560WH | 2560WH | 5120WH | 5120WH | 10240WH | 5120WH | 10240WH | |
| Voltage window (Vdc) | 11.2~14.6V | 22.4~29.2V | 22.4~29.2V | 44.8~58.4V | 44.8~58.4V | 22.4~29.2V | 44.8~58.4V | |
| Folat Charge Voltage(Vdc) | 13.8V | 27.6V | 27.6V | 55.2V | 55.2V | 27.6V | 55.2V | |
| Max.continue discharge current (A) | 150 | 100 | 150 | 100 | 150 | 150 | 150 | |
| Max.pulse discharge current (A) | 200A 30Sec. | 200A 30Sec. | 200A 30Sec. | 200A 30Sec. | 200A 30Sec. | 200A 30Sec. | 200A 30Sec. | |
| Max.continue charge current (A) | 100 | 50 | 100 | 50 | 100 | 100 | 100 | |
| Case design | Wall mounted | Wall mounted | Wall mounted | Wall mounted | Wall mounted | Tower wall design | Tower wall design | |
| Cycle life(+25°C0.2C 80%DOD) | > 4000 Cycles (Optional for > 5000 cycles with 5 years warranty) | | | | | | | |
| Cell Equalizer Current(A) | 1~5A Max. | | | | | | | |
| Terminal | M8 | | | | | | | |
| Storage temperature | 0°C ~ 30°C | | | | | | | |
| Storage duration | 6 months at 25°C | | | | | | | |
| Safety standard | UN38.3,IEC62619,MSDS,CE | | | | | | | |
| IP degree | IP20 | | | | | | | |
| PROTECTION | | | | | | | | |
| Protection | Overcharge protection、Overdischarge protection、Overcurrent protection、Shortcircuit protection、Overtemperature protection | | | | | | | |
| AMBIENT | | | | | | | | |
| Noise(dB) | < 40dB (1 meter) | | | | | | | |
| working Temperature | -10°C ~ +50°C | | | | | | | |
| Humidity | 0~95% (no condensation) | | | | | | | |
| Sea Level(m) | =1500 | | | | | | | |
| DIMENSION | | | | | | | | |
| L×W×H (package size) mm | L314*W218*H380 | L314*W218*H380 | L534*W385*H218 | L534*W385*H218 | L652*W521*H218 | L485*W298*H503 | L485*W298*H802 | |
| L×W×H (package size) mm | L395*W250*H442 | L395*W250*H442 | L611*W442*H250 | L611*W442*H250 | L722*W591*H280 | L547*W315*H535 | L545*W375*H854 | |
| Weight(NW Kg) | 25.0Kg | 25.0Kg | 44.0Kg | 44.0Kg | 73.0Kg | 76.0Kg | 132.0Kg | |
| Weight(GW Kg) | 26.0Kg | 26.0Kg | 45.0Kg | 45.0Kg | 74.0Kg | 78.0Kg | 152.0Kg | |