

LITHIUM BATTERY DATA SHEET

48 Volt Lithium Battery



| Type | LiFePO4 | LiFePO4 | LiFePO4 |
|-------------------------------|--|------------------------------------|---------------------------------------|
| Model | 48V200AH | 48V400AH | 48V600AH |
| Nominal capacity | 200Ah | 400AH | 600AH |
| Nominal voltage | 48V | 48V | 48V |
| Cell type | 36115200-3.2V-50Ah | 32135230-3.2V-80Ah | 31135230-3.2V-75Ah |
| Configuration | 15S4P | 15S5P | 15S8P |
| Max. battery charging voltage | 54V | 54V | 54V |
| Max. discharge current | 200A | 200A | 200A |
| Constant discharge current | 100A | 100A | 100A |
| Life Cycles* | | | |
| 100% DOD | >2000 | | |
| 50% DOD | >5000 | | |
| Work Temp | -20-60 | -20-60 | -20-60 |
| Humidity | 45%-85% | 45%-85% | 45%-85% |
| Protections | Over-charge, over-discharge, overload, short-circuit | | |
| AC Charger | Optional | | |
| Communication mode | RS485 | | |
| Package | In steel case | | |
| Size | 660 x 480 x 260 mm 26 x 19 x 10" | 930 x 550 x 260mm 36 x 21 x 10" | 1020 x 850 x 260mm 40 x 33.5 x 10" |
| Weight | 110KG / 242LB | 285KG / 628 LB | 440KG / 970LB |

*Discharge with the current of 50A until it can't discharge, and then rest battery for 1h. Charge the battery following CC(50A)/CV(58.4V) mode to full capacity, and then rest it for 1h. Repeat above process until full charged capacity is no more than 80% of normal value. Accumulated times is defined as cycle life.

LITHIUM BATTERY DATA SHEET

12 Volt Lithium Battery



| | | | | |
|-------------------------------|--|--|---|--|
| Type | Li(NiCoMn)O2 | Li(NiCoMn)O2 | LiFePO4 | LiFePO4 |
| Model | 12V100AH | 12V200AH | 12V100AH | 12V200AH |
| Nominal capacity | 100AH | 200AH | 100AH | 200AH |
| Nominal voltage | 12V | 12V | 12V | 12V |
| Cell type | 3.7V2500mAh | 3.7V2500mAh | 3.2V20Ah | 3.2V20Ah |
| Configuration | 3S40P | 3S80P | 4S5P | 4S10P |
| AC charger | 12V/10A | 12V/20A | 12V/10A | 12V/20A |
| Max. battery charging voltage | 12.6V | 12.6V | 12.6V | 12.6V |
| Max. discharge current | 300A | 300A | 300A | 300A |
| Constant discharge current | 100A | 100A | 100A | 100A |
| Life Cycles @ 80% DOD | >1000 | >1000 | >5000 | >5000 |
| @50 % DOD | >500 | >500 | >2500 | >2500 |
| Work Temp | -20~+60°C | -20~+60°C | -20~+60°C | -20~+60°C |
| Humidity | 45~85%RH | 45~85%RH | 45~85%RH | 45~85%RH |
| Protections | Over-charge, over-discharge, overload, short-circuit | | | |
| Others | 12V terminals, USB port, LCD display, ABS hand case | | | |
| Size | 280 x 246 x 156 mm 11" x 9.7" x 6.1" | 355 x 272 x 166 mm 14" x 10.7" x 6.5" | 280 x 246 x 156 mm 11" x 9.7" x 6.1" | 355 x 272 x 166 mm 14" x 10.7" x 6.5" |
| Weight | 10KG / 22LBS | 19KG / 41LBS | 16KG / 35LBS | 30KG / 66LBS |

*Discharge with the current of 50A until it can't discharge, and then rest battery for 1h. Charge the battery following CC(50A)/CV(58.4V) mode to full capacity, and then rest it for 1h. Repeat above process until full charged capacity is no more than 80% of normal value. Accumulated times is defined as cycle life.