

LFP BATTERY

51.2V Series

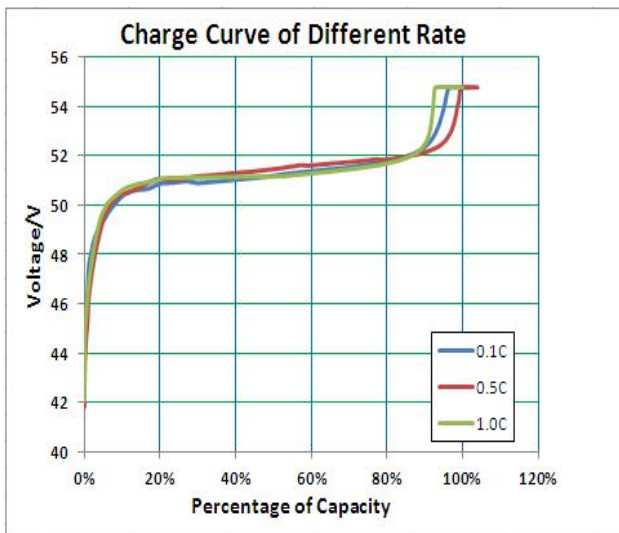
Featur

- ★ Standard module, compatible with 19 inch rack-mount cabinets
- ★ Multiple groups in parallel, Expansion convenient
- ★ High power density, compact design, light weight
- ★ Internally installed BMS, high safety and reliability
- ★ Higher charging and discharging rate
- ★ Higher power rate and depth of discharge
- ★ Deeper DOD, More cycles and longer service life
- ★ Compatible With R232, RS485 and SNMP multiple communication

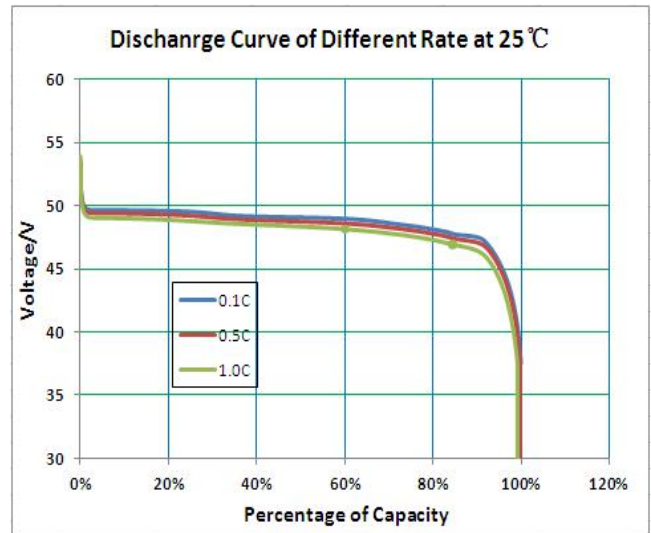


modes

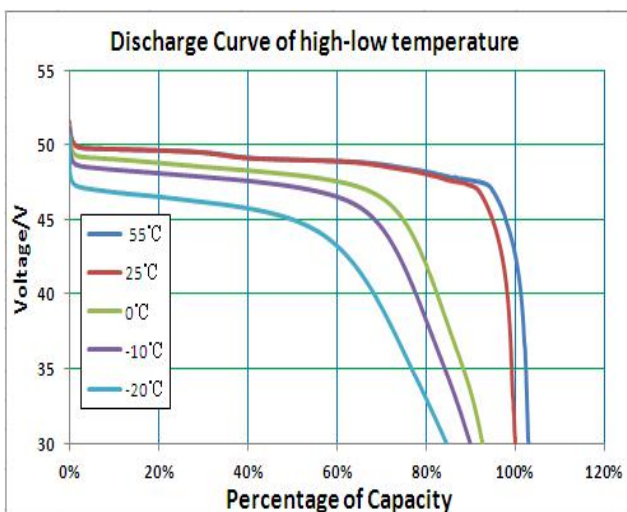
Charge at different ratio



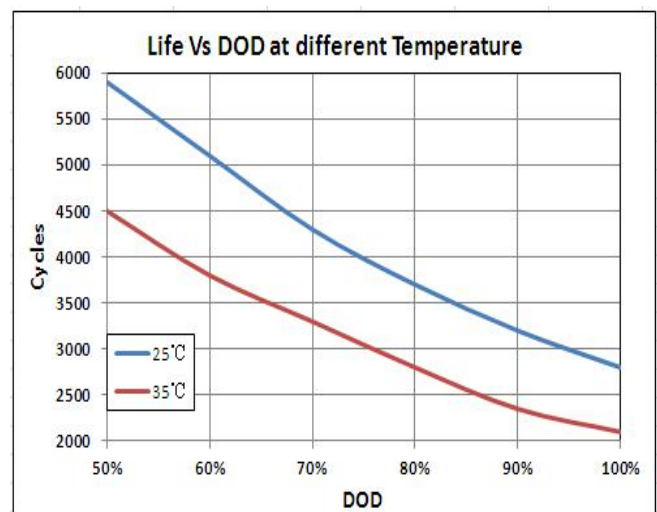
Discharge at different ratio



Discharge at



Life cycles at



| Specifications Model | SSIFP16 S51.210 | SSIFP16 S51.220 | SSIFP16 S51.230 | SSIFP16 S51.240 | SSIFP16 S51.250 | SSIFP16 S51.270 | SSIFP2P16S 51.2100 |
|------------------------------|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|
| Basic Parameter | | | | | | | |
| Battery type | LFP | | | | | | |
| Nominal voltage | 51.2V | 51.2V | 51.2V | 51.2V | 51.2V | 51.2V | 51.2V |
| Battery capacity | 10Ah | 20Ah | 30Ah | 40Ah | 50Ah | 70Ah | 100Ah |
| Inner Resistance | ≤65mΩ | ≤55mΩ | ≤50mΩ | ≤40mΩ | ≤35mΩ | ≤30Ω | ≤25mΩ |
| Charging Parameter | | | | | | | |
| MAX. charging voltage | 57.6V | 57.6V | 57.6V | 57.6V | 57.6V | 57.6V | 57.6V |
| Rated charging current | 2A | 4A | 6A | 8A | 10A | 14A | 20A |
| Maximum charging current | 10A | 20A | 30A | 40A | 50A | 70A | 100A |
| Temperature range | 0°C ...+55°C | | | | | | |
| Discharging Parameter | | | | | | | |
| Cut off voltage | 43.2V | 43.2V | 43.2V | 43.2V | 43.2V | 43.2V | 43.2V |
| Rated discharging current | 5A | 10A | 15A | 20A | 25A | 35A | 50A |
| MAX. discharging current | 10A | 20A | 30A | 40A | 50A | 70A | 100A |
| Temperature range | -20°C ... +60°C | | | | | | |
| Dimension and weight | | | | | | | |
| Dimension (L*W*H) | 442*400*45 mm | 442*400*89 mm | 442*400*89 mm | 442*400*13 3 mm | 442*400*13 3 mm | 442*400*17 8 mm | 442*400*222 mm |
| Weight(Approx) | 9.3kg | 14.0kg | 17.4kg | 23.5kg | 27.5Kg | 35.0kg | 49.0Kg |
| General Data | | | | | | | |
| Self-Discharge rate | ≤1%/Month | | | | | | |
| Cycle life | ≥3700 Cycles(@80% DOD; +25°C) | | | | | | |
| Energy charge efficiency | 94%(@+25°C) | | | | | | |
| Protection class | IP20 | | | | | | |
| Communication mode | RS232、RS485、SNMP(Optional) | | | | | | |