

LFP BATTERY

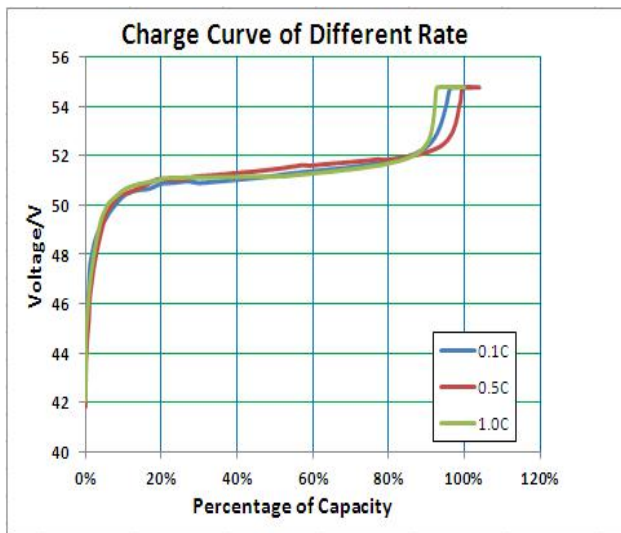
48V Series

Featur

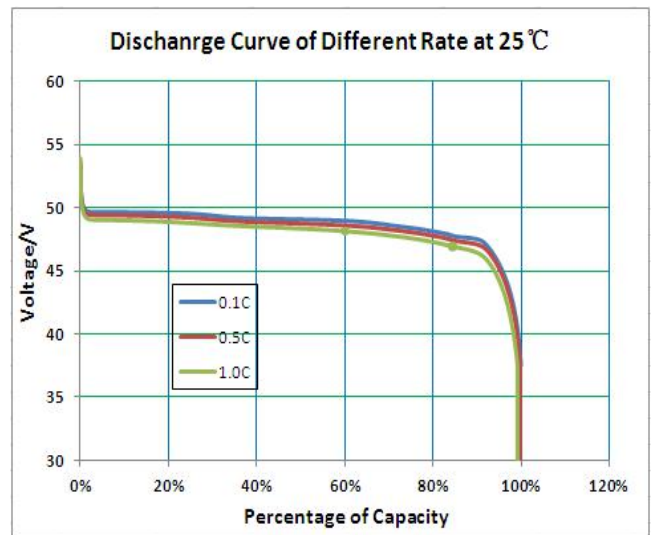
- ★ Sheet metal case or cast aluminum case waterproof design
- ★ Flexible installation, wall mounting, pole holding and floor mounting
- ★ BMS has rich functions and can be connected to FSU
- ★ Compatible With R232, RS485 and SNMP multiple communication modes
- ★ High safety and reliability
- ★ Higher charging and discharging rate
- ★ Higher power rate and depth of discharge
- ★ Deeper DOD, More cycles and longer service life



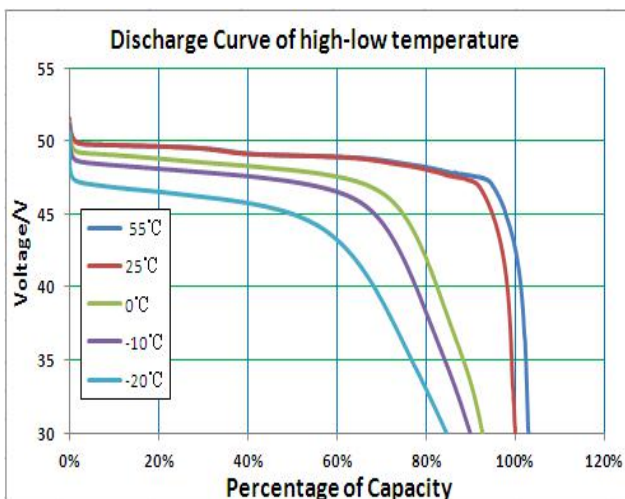
Charge at different ratio



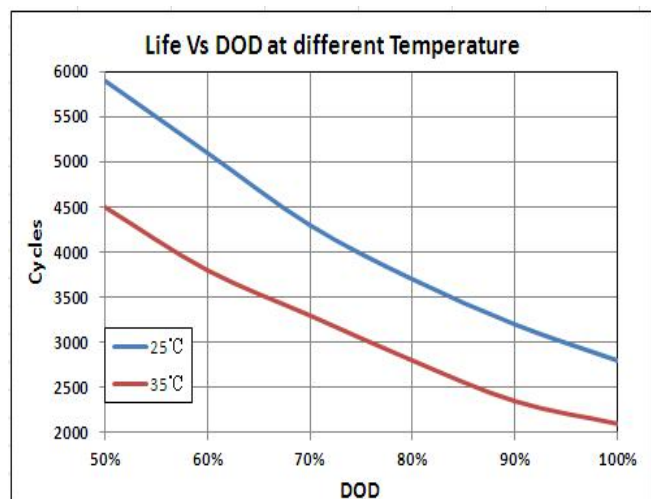
Discharge at different ratio



Discharge at



Life cycles at



| Specifications Model | SSIFP15 S4810Al | SSIFP15 S4820Al | SSIFP15 S4830Al | SSIFP15 S4820Fe | SSIFP15 S4830Fe | SSIFP15 S4840Fe | SSIFP15S48 50Fe |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|

Basic Parameter

| | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|
| Battery type | LFP | | | | | | |
| Nominal voltage | 48V | 48V | 48V | 48V | 48V | 48V | 48V |
| Battery capacity | 10Ah | 20Ah | 30Ah | 20Ah | 30Ah | 40Ah | 50Ah |
| Inner Resistance | ≤65mΩ | ≤55mΩ | ≤50mΩ | ≤55mΩ | ≤50mΩ | ≤40mΩ | ≤35mΩ |

Charging Parameter

| | | | | | | | |
|--------------------------|-------------|-----|-----|-----|-----|-----|-----|
| MAX. charging voltage | 54V | 54V | 54V | 54V | 54V | 54V | 54V |
| Rated charging current | 2A | 4A | 6A | 4A | 6A | 8A | 10A |
| Maximum charging current | 10A | 20A | 30A | 20A | 30A | 40A | 50A |
| Temperature range | 0°C...+55°C | | | | | | |

Discharging Parameter

| | | | | | | | |
|---------------------------|----------------|-------|-------|-------|-------|-------|-------|
| Cut off voltage | 40.5V | 40.5V | 40.5V | 40.5V | 40.5V | 40.5V | 40.5V |
| Rated discharging current | 5A | 10A | 15A | 10A | 15A | 20A | 25A |
| MAX. discharging current | 10A | 20A | 30A | 20A | 30A | 40A | 50A |
| Temperature range | -20°C... +60°C | | | | | | |

Dimension and weight

| | | | | | | | |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Dimension (L*W*H) | 355*219*105mm | 376*270*124mm | 376*270*124mm | 660*600*230mm | 660*600*230mm | 660*600*230mm | 660*600*230mm |
| Weight(Approx) | 8.7kg | 13.0kg | 15.9kg | 24.5kg | 27.8Kg | 30.5kg | 34.0Kg |

General Data

| | |
|--------------------------|--------------------------------|
| Self-Discharge rate | ≤1%/Month |
| Cycle life | ≥3700 Cycles(@80% DOD; +25°C) |
| Energy charge efficiency | 94%(@+25°C) |
| Protection class | IP65 |
| Communication mode | RS232、RS485、SNMP(Optional) |