

# LFP BATTERY

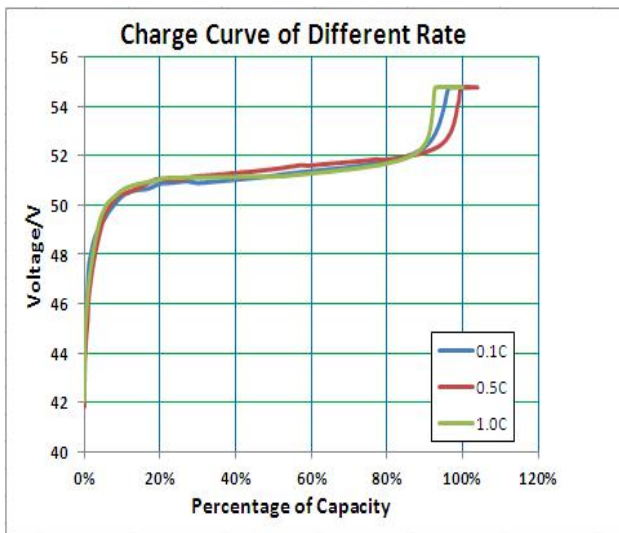
## 51.2V Series

### Featur

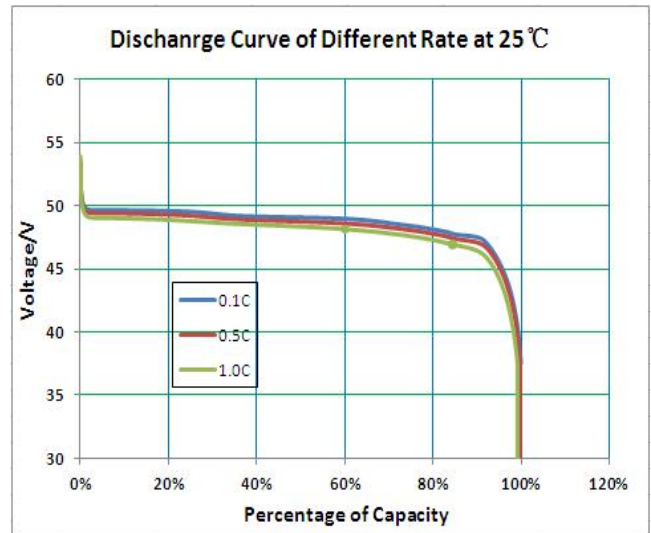
- ★ Sheet metal case or cast aluminum case waterproof design
- ★ Flexible installation, wall mounting, pole holding and floor mounting
- ★ BMS has rich functions and can be connected to FSU
- ★ Compatible With R232, RS485 and SNMP multiple communication modes
- ★ High safety and reliability
- ★ Higher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



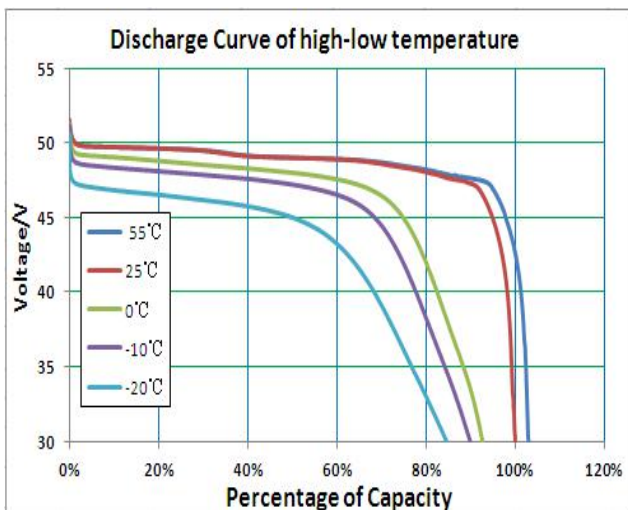
### Charge at different ratio



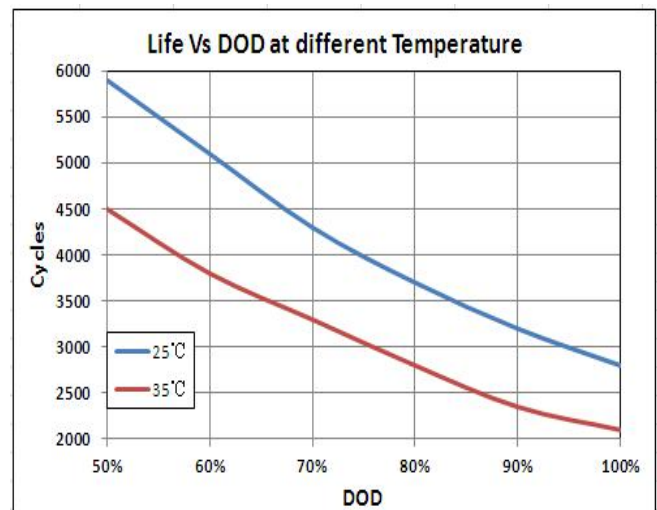
### Discharge at different ratio



### Discharge at



### Life cycles at



Specifications Model	SSIFP16 S4810Al	SSIFP16 S4820Al	SSIFP16 S4830Al	SSIFP16 S4820Fe	SSIFP16 S4830Fe	SSIFP16 S4840Fe	SSIFP16S48 50Fe
<b>Basic Parameter</b>							
Battery type	LFP						
Nominal voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
Battery capacity	10Ah	20Ah	30Ah	20Ah	30Ah	40Ah	50Ah
Inner Resistance	≤65mΩ	≤55mΩ	≤50mΩ	≤55mΩ	≤50mΩ	≤40mΩ	≤35mΩ
<b>Charging Parameter</b>							
MAX. charging voltage	57.6V	57.6V	57.6V	57.6V	57.6V	57.6V	57.6V
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						
<b>Discharging Parameter</b>							
Cut off voltage	43.2V	43.2V	43.2V	43.2V	43.2V	43.2V	43.2V
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						
<b>Dimension and weight</b>							
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)	9.0kg	12.5kg	17.5kg	24.7kg	28.5kg	31.5kg	35.0kg
<b>General Data</b>							
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)						