

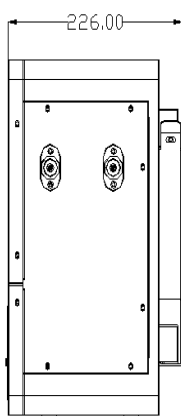
Lithium Iron Phosphate Battery

Overview

The SK- 25.6V100Ah rechargeable lithium battery is optimized for low rate application which requires high energy density.

Features

- LiFePO4 battery, more stable and safe .
- Intelligent BMS equipped inside to maintain the battery always work at best condition .
- Max. charge and discharge current as 200A which is specially designed for solar energy .
- With equalizer can balance each lithium cell voltage difference as small as 0.05V in a very short time .
- Excellent standby self-consumption as low as 4mA .
- Within SAKO solar inverter Modbus-485 communication protocol .
- Automatically output cut off after 30days no charge and discharge to ensure security , also can cut off output by manual operation .



Battery Specification

Nominal Characteristics

Nominal Voltage /V	25.6
Nominal Capacity /Ah (25° C , 0.2C)	100

Mechanical characteristics

Weight (approximate)/Kg	33.2
Dimension L*W*H /mm	374*344*226
Terminal	M8

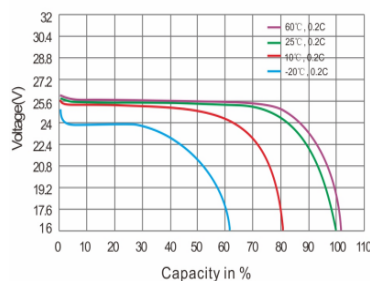
Electrical characteristics

Voltage window/V	22.4 to 29.2
Float charge voltage/V	28.0
Max. continue discharge current/A	100
Max. pulse discharge current/A	200A 30Sec.
Max. continue charge current/A	50

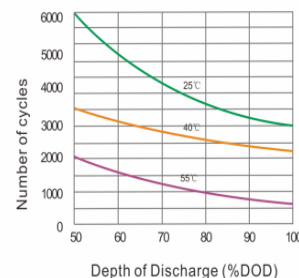
Operating conditions

Cycle life (+25°C 0.2C 100%DOD)	> 3000 Cycles
Operating temperature	Discharge -10°C to 50°C Charge 0°C to 50°C
Storage temperature	0 to 30°C
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20

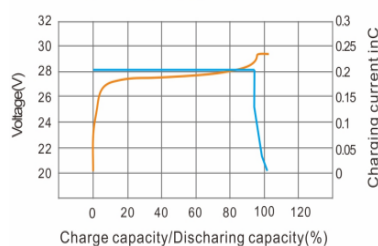
Dis charge curves under diffemet temperatures



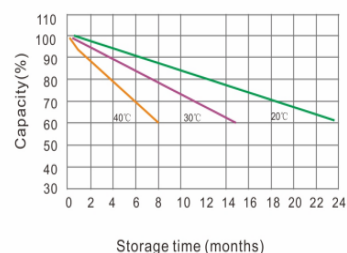
Cycle life versus DOD and temperature at 0.2C



0.2C CC-CV charge characteristic



Self-discharge characteristic



Lithium Iron Phosphate Battery

Overview

The SK- 51.2V100Ah rechargeable lithium battery is optimized for low rate application which requires high energy density.

Features

- LiFePO4 battery, more stable and safe .
- Intelligent BMS equipped inside to maintain the battery always work at best condition .
- Max. charge and discharge current as 200A which is specially designed for solar energy .
- With equalizer can balance each lithium cell voltage difference as small as 0.05V in a very short time .
- Excellent standby self-consumption as low as 4mA .
- Within SAKO solar inverter Modbus-485 communication protocol .
- Automatically output cut off after 30days no charge and discharge to ensure security , also can cut off output by manual operation .

Battery Specification

Nominal Characteristics

Nominal Voltage /V	51.2
Nominal Capacity /Ah (25° C , 0.2C)	100

Mechanical characteristics

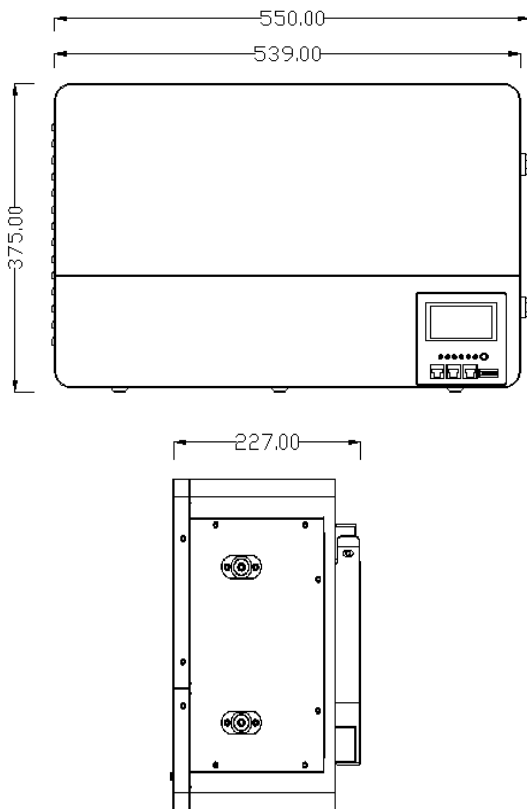
Weight (approximate)/Kg	57.0
Dimension L*W*H /mm	550*375*227
Terminal	M8

Electrical characteristics

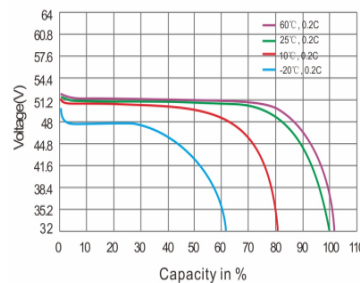
Voltage window/V	44.8 to 58.4
Float charge voltage/V	56.0
Max. continue discharge current/A	100
Max. pulse discharge current/A	200A 30Sec.
Max. continue charge current/A	50

Operating conditions

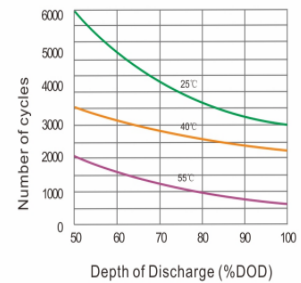
Cycle life (+25°C 0.2C 100%DOD)	> 3000 Cycles
Operating temperature	Discharge -10°C to 50°C Charge 0°C to 50°C
Storage temperature	0 to 30°C
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20



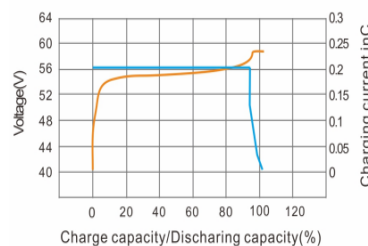
Dis charge curves under differnet temperatures



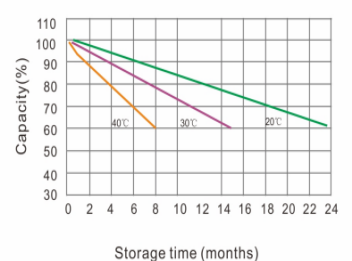
Cycle life versus DOD and temperature at 0.2C



0.2C CC-CV charge charavteristic



Self-discharge characteristic



Lithium Iron Phosphate Battery

Overview

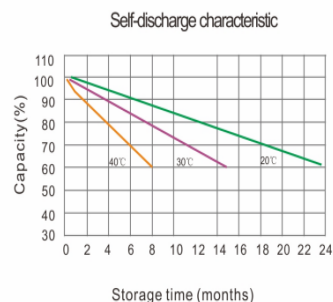
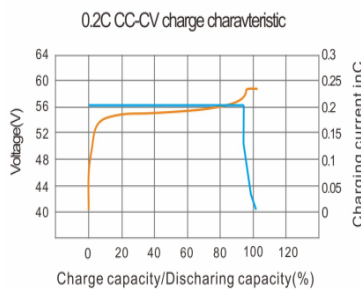
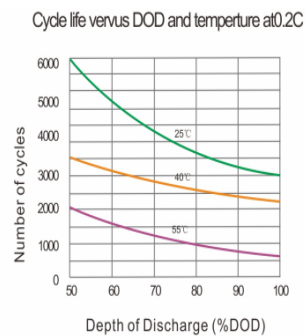
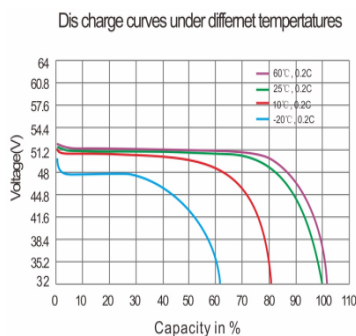
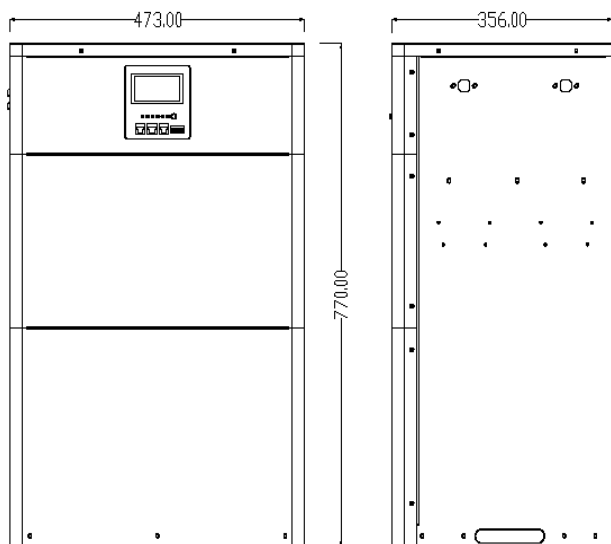
The SK- 51.2V200Ah rechargeable lithium battery is optimized for low rate application which requires high energy density.

Features

- LiFePO4 battery, more stable and safe .
- Intelligent BMS equipped inside to maintain the battery always work at best condition .
- Max charge and discharge current as 200A which is specially designed for solar energy .
- Excellent standby self-consumption as low as 4mA .
- Automatically output cut off after 30days no charge and discharge to ensure security , also can cut off output by manual operation .
- Within SAKO solar inverter Modbus-485 communication protocol .

Battery Specification

Nominal Characteristics	
Nominal Voltage /V	51.2
Nominal Capacity /Ah (25° C , 0.2C)	200
Mechanical characteristics	
Weight (approximate)/Kg	133.0
Dimension L*W*H /mm	473*356*770
Terminal	M8
Electrical characteristics	
Voltage window/V	44.8 to 58.4
Float charge voltage/V	56.0
Max. continue discharge current/A	150
Max. pulse discharge current/A	200A 30Sec.
Max. continue charge current/A	100
Operating conditions	
Cycle life (+25°C 0.2C 100%DOD)	> 3000 Cycles
Operating temperature	Discharge -10°C to 50°C Charge 0°C to 50°C
Storage temperature	0 to 30°C
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20



Lithium Iron Phosphate Battery

Overview

The SK- 51.2V100Ah rechargeable lithium battery is optimized for low rate application which requires high energy density.

Features

- LiFePO4 battery, more stable and safe .
- Intelligent BMS equipped inside to maintain the battery always work at best condition .
- Max. charge and discharge current as 150A which is specially designed for solar energy .
- Excellent standby self-consumption as low as 4mA .
- Automatically output cut off after 30days no charge and discharge to ensure security , also can cut off output by manual operation .
- Support energy storage inverter manufacturer BMS communication protocol: Deye, Growatt, Voltronic, GOODWE, PYLO, VICTRON, SMA, SOFAR .

Battery Specification

Nominal Characteristics

Nominal Voltage /V	51.2
Nominal Capacity /Ah (25° C , 0.2C)	100

Mechanical characteristics

Weight (approximate)/Kg	56.5
Dimension L*W*H /mm	786*455*181
Terminal	M8

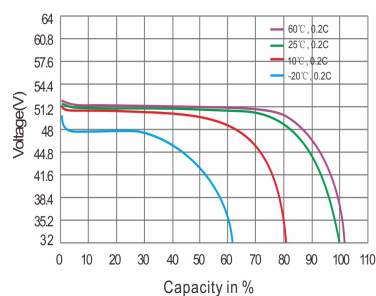
Electrical characteristics

Voltage window/V	44.8 to 58.4
Float charge voltage/V	56.0
Max. continue discharge current/A	100
Max. pulse discharge current/A	150A 1Sec.
Max. continue charge current/A	50

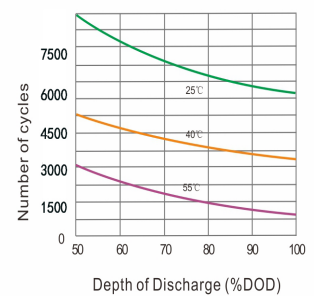
Operating conditions

Cycle life (+25°C 0.2C 100%DOD)	> 6000 Cycles
Operating temperature	Discharge -10°C to 50°C Charge 0°C to 50°C
Storage temperature	0 to 30°C
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20

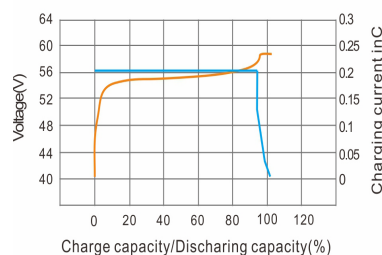
Dis charge curves under difemet temperatures



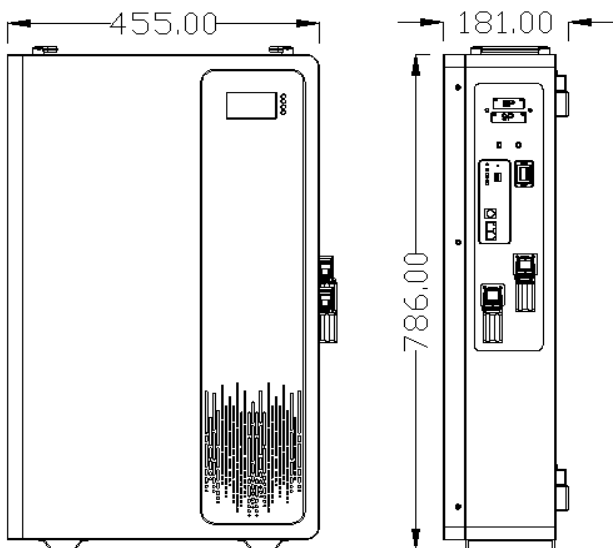
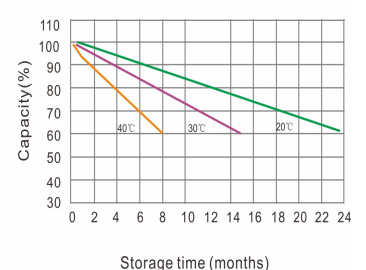
Cycle life vevrus DOD and temperature at 0.2C



0.2C CC-CV charge charavteristic



Self-discharge characteristic



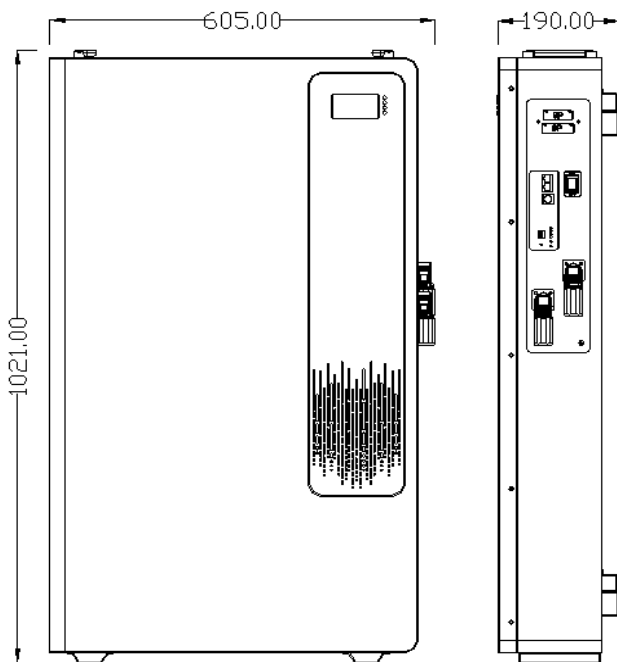
Lithium Iron Phosphate Battery

Overview

The SK- 51.2V200Ah rechargeable lithium battery is optimized for low rate application which requires high energy density.

Features

- LiFePO4 battery, more stable and safe .
- Intelligent BMS equipped inside to maintain the battery always work at best condition .
- Max. charge and discharge current as 150A which is specially designed for solar energy .
- Excellent standby self-consumption as low as 4mA .
- Automatically output cut off after 30days no charge and discharge to ensure security , also can cut off output by manual operation .
- Support energy storage inverter manufacturer BMS communication protocol: Deye, Growatt, Voltronic, GOODWE, PYLO, VICTRON, SMA, SOFAR .



Battery Specification

Nominal Characteristics

Nominal Voltage /V	51.2
Nominal Capacity /Ah (25° C , 0.2C)	200

Mechanical characteristics

Weight (approximate)/Kg	109.0
Dimension L*W*H /mm	1021*605*190
Terminal	M8

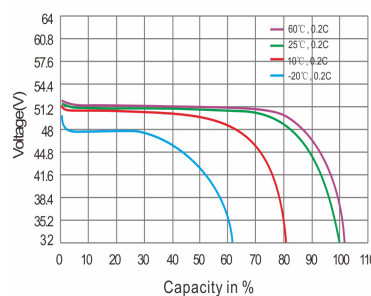
Electrical characteristics

Voltage window/V	44.8 to 58.4
Float charge voltage/V	56.0
Max. continue discharge current/A	100
Max. pulse discharge current/A	150A 1Sec.
Max. continue charge current/A	100

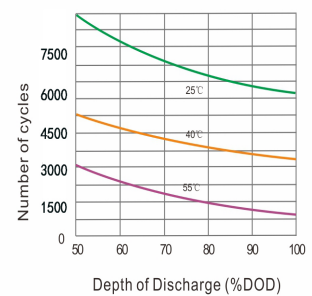
Operating conditions

Cycle life (+25°C 0.2C 100%DOD)	> 6000 Cycles
Operating temperature	Discharge -10°C to 50°C Charge 0°C to 50°C
Storage temperature	0 to 30°C
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20

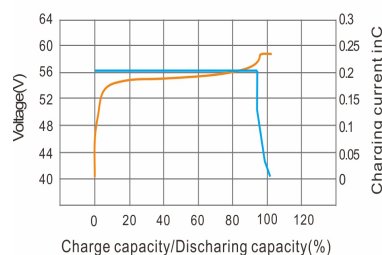
Dis charge curves under difemet temperatures



Cycle life vevrus DOD and temperature at 0.2C



0.2C CC-CV charge characteristic



Self-discharge characteristic

