

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℃
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20
Dis charge curves under different tempertatures 32 30.4 28.8 27.2 25.6 26.6 27.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	Cycle life vervus DOD and temperture at 0.2C
0.2C CC-CV charge charavteristic 32 30 28 26 24 22 0 0 20 40 60 80 100 120	Self-discharge characteristic

Storage time (months)

Charge capacity/Discharing capacity(%)

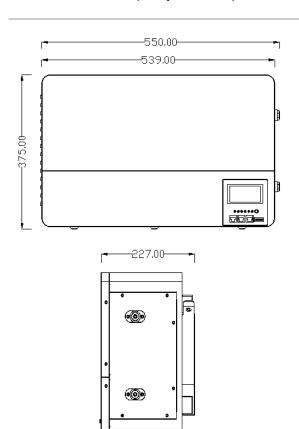


Overview

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℃
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20
Dis charge curves under diffemet tempertatures	Cycle life vervus DOD and temperture at 0.2C
64 608 676 677.6 578 578 579 544 544 544 48 448 448 448 448	6000 5000
0.2C CC-CV charge charavteristic	Self-discharge characteristic
64 60 56 52 48 44 40 0 20 40 60 80 100 120	110 100 90 100 90 100 90 100 90 100 90 100 10
Charge capacity/Discharing capacity(%)	Storage time (months)

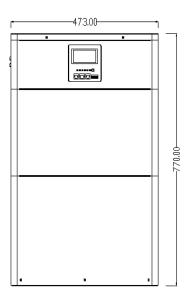


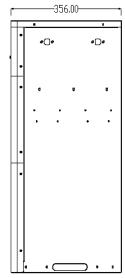
Overview

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

Features

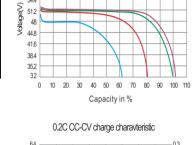
- LiFePO4 battery, more stable and safe .
- Intelligent BMS equipped inside to maintain the battery always work at best condition.
- Max charge and discharge current as 200A which is specially designed for solar energy.
- Excellent standby self-consumption as low as 4mA.
- Automatically output cut off 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.

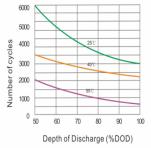


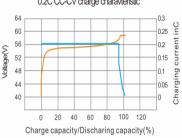


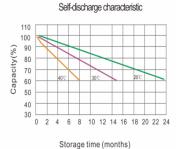
Battery Specification

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℃
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20
Dis charge curves under differnet tempertatures	Cycle life vervus DOD and temperture at 0.2C
64 6008 - 600, 020 - 250, 020 - 2	6000 5000 25°C 3000 40°C 25°C 25°C 25°C 25°C 25°C 25°C 25°C









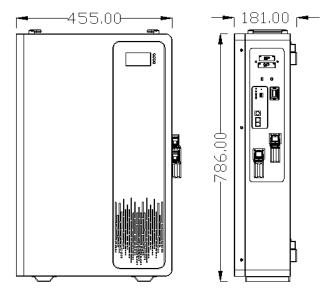


Overview

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

Naminal Valtage A/	F4.0
Nominal Voltage // Nominal Capacity / Ab (25°, C. 0.20)	51.2
Nominal Capacity /Ah (25° C , 0.2C)	100
Mechanical characteristics	FC F
Weight (approximate)/Kg Dimension L*W*H /mm	56.5 786*455*181
Terminal	M8
Electrical characteristics	IVIO
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℃
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20
Dis charge curves under differnet tempertatures	Cycle life vervus DOD and temperture at 0.20
60°, b2c 25°, b2c 25°, b2c 20°, b2c	7500 25°C 3000 25°C 3000 3000 40°C 35°C 3000 3000 55°C 35°C 35°C 35°C 35°C 35°C 35°C 35°C
0.2C CC-CV charge charavteristic	Self-discharge characteristic
0.3 Out 0.25 Using the contract of the contrac	110 100 100 8) 80 80 70 60 0 50 40° 30° 20° 40° 40° 30° 40° 40° 40° 40° 40° 40° 40° 40° 40° 4

Storage time (months)



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	
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℃ to 50℃ Charge 0℃ to 50℃
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 different tempertatures	Cycle life vervus DOD and temperture at 0.20
0 10 20 30 40 50 60 70 80 90 100 110 Capacity in %	7500 80 6000 4500 4500 1500 0 50 60 70 80 90 100 Depth of Discharge (%DOD)
0.2C CC-CV charge charavteristic	Self-discharge characteristic
0.3 O U U U U U U U U U U U U U U U U U U	110 100 100 100 100 100 100 100 100 100
Charge capacity/Discharing capacity(%)	Storage time (months)