SEVENERGY

Powering the Future

24100-160L-BT

https://mysevenergy.com/contact/

SEVENERGY Support Center

LiFePO4 Battery

Model: 24100-160L-BT

SEVENERGY | Powering the Future

Model: 24100-160L-BT



This is the original instruction, please read all manual instructions carefully before operating. SEVENERGY reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

⚠ Warning: Read this entire document before installing or using the product. Failure to do so or to follow any of the instructions or warnings in this document can result in electrical shock, serious injury, or death, or can damage the product, potentially rendering it inoperable.

PRODUCT SPECIFICATIONS

All specifications and descriptions contained in this document are verified to be accurate at the time of printing. However, because continuous improvement is a goal at SEVENERGY, we reserve the right to make product modifications at any time.
The images provided in this document are for demonstration purposes only. Depending on product version and market region, details may appear slightly different.

ERRORS OR OMISSIONS

To communicate any inaccuracies or omissions in this manual, please contact SEVENERGY.



ELECTRONIC DEVICE: DO NOT THROW AWAY

Proper disposal of batteries is required. Refer to your local codes for disposal requirements

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The unauthorized use of any trademark displayed in this document or on the product is strictly prohibited.

IMPORTANT SAFETY INSTRUCTIONS

This manual contains important instructions for the product that must be followed during installation and maintenance of the system. Product installation and service require knowledge of high voltage electricity and should only be performed by Certified Installers. SEVENERGY assumes no liability for injury or property damage due to repairs attempted by unqualified individuals or a failure to properly follow these instructions. These warning and cautions must be followed when using the product.

SYMBOLS USED

These symbols indicate important safety information in this guide or on the equipment:



WARNING
indicates a hazardous situation which, if not avoided, could result in injury or death.

CAUTION
indicates a hazardous situation which, if not avoided, could result in minor injury or damage to the equipment.

NOTE
indicate an important step or tip that leads to best results, but is not safety or damage related.



REFER TO OPERATING INSTRUCTIONS
indicates that user should refer to operating or installation instructions before proceeding.



RISK OF ELECTRIC SHOCK
indicates components that present risk of electrical shock.



CAUTION, RISK OF ELECTRIC SHOCK, ENERGY STORAGE TIMED DISCHARGE

ENVIRONMENTAL CONDITIONS

⚠ WARNING: Reading this entire document before installing or using the product. Failure to do so or to follow any of the instructions or warnings in this document can result in electrical shock, serious injury, or death or can damage SEVENERGY, potentially rendering it inoperable.

⚠ WARNING: A battery can present a risk of electrical shock, fire, or explosion from vented gases. Observe proper precautions.

⚠ WARNING: Do not use the product if it is defective, appears cracked, broken, or otherwise damaged, or fails to operate.

⚠ WARNING: Do not attempt to open, disassemble, repair, tamper with, or modify the product. The product and its components are not user serviceable. Batteries in SEVENERGY are replaceable. Contact the Certified Invstaller who installed the system for any repairs.

⚠ CAUTION: Do not use fluids, parts or accessories other than those specified in this manuavl including use of non-genuine SEVENERGY ENERGY parts or accessories, or parts or accessories not purchased directly from SEVENERGY ENERGY or a SEVENERGY ENERGY-certified party.

⚠ CAUTION: Do not place the product in a storage condition for more than one (1) month, or permit the electrical feed on the product to be served for more than one (1) month, without placing the product into a storage condition in accordance with SEVENERGY ENERGY's storage specifications.

⚠ CAUTION: Do not connect the product directly to photo voltaic (PV) solar wiring.

REVISION HISTORY

Date	Revision	Description	Owner
2025-02-15	V1.0	Initial Release	

⚠ Avertissement: Lisez l'intégralité de ce document avant d'installer ou d'utiliser le produit.Le non-respect de cette consigne ou de l'une des instructions et avertissements contenus dans ce document peut entraîner des chocs électriques, des blessures graves voire mortelles, ou endommager le produit au point de le rendre inutilisable.

CARACTÉRISTIQUES DU PRODUIT

Toutes les caractéristiques et descriptions figurant dans ce document sont vérifiées exactes au moment de l'vimpression. Cependant, SEVENERGY vise une am liorvation continue de ses produits et se réserve le droit d'apporter des modifications à tout moment.
Les images fournies dans ce document sont uniquement à titre d'illustration. Les détails peuvent présenter de légères différences selon la version du produit et la région commerciale.

ERRORS OR OMISSIONS

Pour signaler toute imprécision ou omission dans ce manuel, veuillez contacter SEVENERGY.



APPAREIL ÉLECTRONIQUE: NE PAS JETER

La mise au rebut correcte des batteries est obligatoire. Reportez-vous aux réglementations locales applicables en matière d'élimination..

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Toutes les autres marques commerciales apparaissant dans ce document appartiennent à leurs propriétaires respectifs ; leur utilisation dans ce document n'implique aucun parrainage ni approbation de leurs produits ou services.
Toute utilisation non autorisée d'une marque figurant sur ce document ou sur le produit est strictement interdite.

CONSIGNES DE SÉCURITÉ IMPORTANTES

Ce manuel contient des instructions importantes à respecter lors de l'installation et de la maintenance du système.
L'installation et l'entretien du produit requièrent des connaissances en électricité haute tension et doivent être réalisés exclusivement par des installateurs certifiés. SEVENERGY d cline toute responsabilit en cas de blessures ou de dommages mat riels résultant de réparations tentées par des personnes non qualifiées ou du non respect des présentes instructions. Ces avertissements et mises en garde doivent être respectés lors de l'utilisation du produit.

SYMBOLES UTILISÉS

Ces symboles signalent des informations de sécurité importantes dans ce guide ou sur l'équipement :

AVERTISSEMENT

indique une situation dangereuse qui, si elle n'est pas évitée, peut entraîner des blessures voire la mort.

ATTENTION

indique une situation dangereuse qui, si elle n'est pas évitée, peut entraîner des blessures légères ou endommager l'équipement.

REMARQUE

indique une étape ou un conseil important pour obtenir un résultat optimal, sans lien avec la sécurité ni les risques de dommage.

CONSULTER LES INSTRUCTIONS D'UTILISATION

indique que l'utilisateur doit se reporter aux instructions d'utilisation ou d'installation avant toute manipulation.

RISQUE DE CHOC ÉLECTRIQUE

signale des composants présentant un risque de choc électrique.

ATTENTION, RISQUE DE CHOC ÉLECTRIQUE, DÉCHARGE ÉNERGÉTIQUE DIFFÉRÉE

la décharge s'effectue 5 minutes après la mise hors tension.

CONDITIONS ENVIRONNEMENTALES

AVERTISSEMENT : Lisez l'intégralité de ce document avant d'installer ou d'utiliser le produit. Le non respect de cette consigne ou de l'une des instructions et avertissements contenus dans ce document peut entraîner des chocs électriques, desblessures graves voire mortelles, ou endommager le produit SEVENERGY au point de le rendre inutilisable.

AVERTISSEMENT : Une batterie peut présenter des risques de choc électrique, d'incendie ou d'explosion dus aux gaz émis. Respectez toutes les précautions nécessaires.

AVERTISSEMENT : N'utilisez pas le produit s'il est défectueux, fissuré, cassé, endommagé de quelque manière que ce soit ou s'il ne fonctionne pas correctement.

AVERTISSEMENT : N'essayez pas d'ouvrir, de démonter, de réparer, de modifier ou d'altérer le produit. Le produit et ses composants ne comportent aucune pièce réparable par l'utilisateur.
Les batteries SEVENERGY sont rempla ables. Pour toute r paration, contactez l'installateur certifié qui a mis en place le système.

ATTENTION : N'utilisez aucun fluide, pièce ou accessoire autre que ceux spécifiés dans ce manuel, y compris les pièces ou accessoires non authentiques de SEVENERGY ENERGY, ou des articles vnon achet s directement aupr s de SEVENERGY ENERGY ou d'un partenaire certifi SEVENERGY ENERGY.

ATTENTION : Ne laissez pas le produit en stockage pendant plus d'un (1) mois, et ne laissez pas ses connexions électriques sous tension plus d'un (1) mois, sans respecter les consignes de stockage d finies par SEVENERGY ENERGY.

ATTENTION : Ne branchez pas le produit directement sur le câblage des panneaux solaires photovoltaïques (PV).

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SPECIFICATION



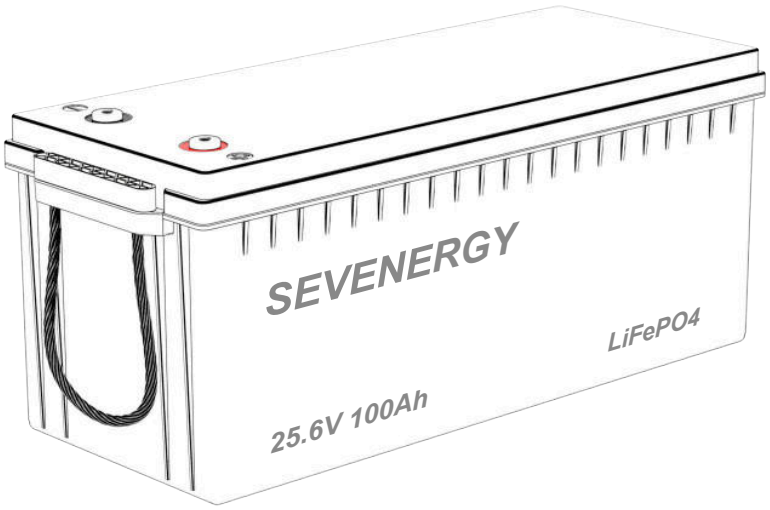
FRONT VIEW



TOP VIEW

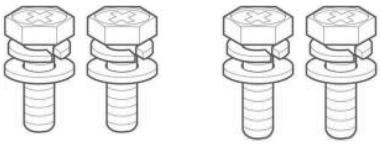
Technical Parameters	24100-160L-BT
Cell Type	LiFePO4
Rated Capacity	100Ah
Rated Battery Energy	2.56kWh
Rated Voltage	25.6V
Working Voltage Range	20.4~28.8V
Usable Battery Capacity	2.56kWh
Cell Configuration	8S1P (2.56kWh Max)
Nominal Current (Recommended)	20 A
Battery Depth of Discharge	100%
Battery Max Charge/Discharge Power	2.56kW
Available SOC Range	0% ~ 100%
SOC Transportation Range	40%
Operating Temperature	Charging Temperature: 0℃~50℃ Discharge Temperature: -20℃~55℃
Storage Temperature	-20°C ~ 45°C
Working Humidity	5~95%RH
Standard Charging Current	0.2C, 20A
Maximum Charging Continuous Current	1C, 100A
Continuous/Peak Discharge	100A(300A 3S/500A 1S)
Rated DC Power	2.56kW
IP Grade	IP65
Recommended Indoor/Outdoor Usage	Indoor/Outdoor
Weight	20 kg (44.1 lb) net
Dimensions (W*D*H)	L382±3*W193±3*H249.5±3mm （L15.04*W7.60*H9.84 inch）

Packing List



25.6V 100Ah
Smart Lithium Iron Phosphate Battery x1

User Manual x1



M8 x 14 mm
Terminal bolts x2

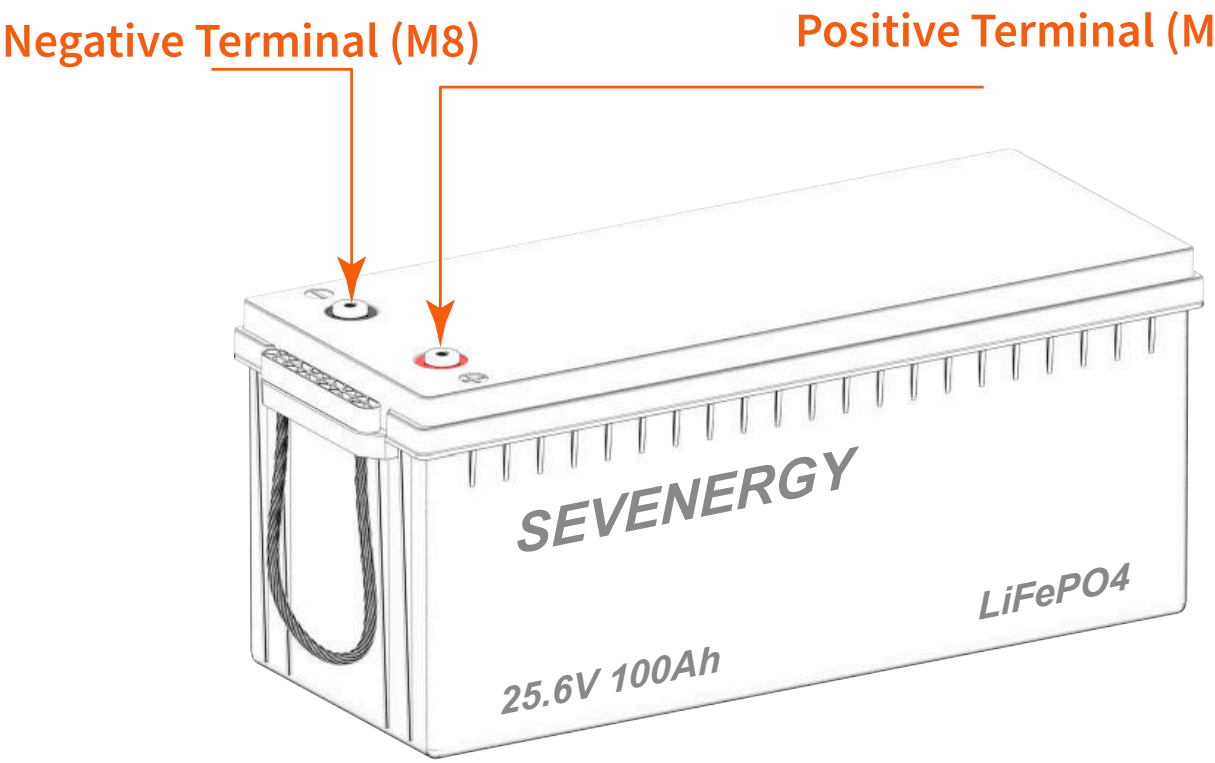
M8 x 16 mm
Terminal bolts x2

4 terminal bolts total

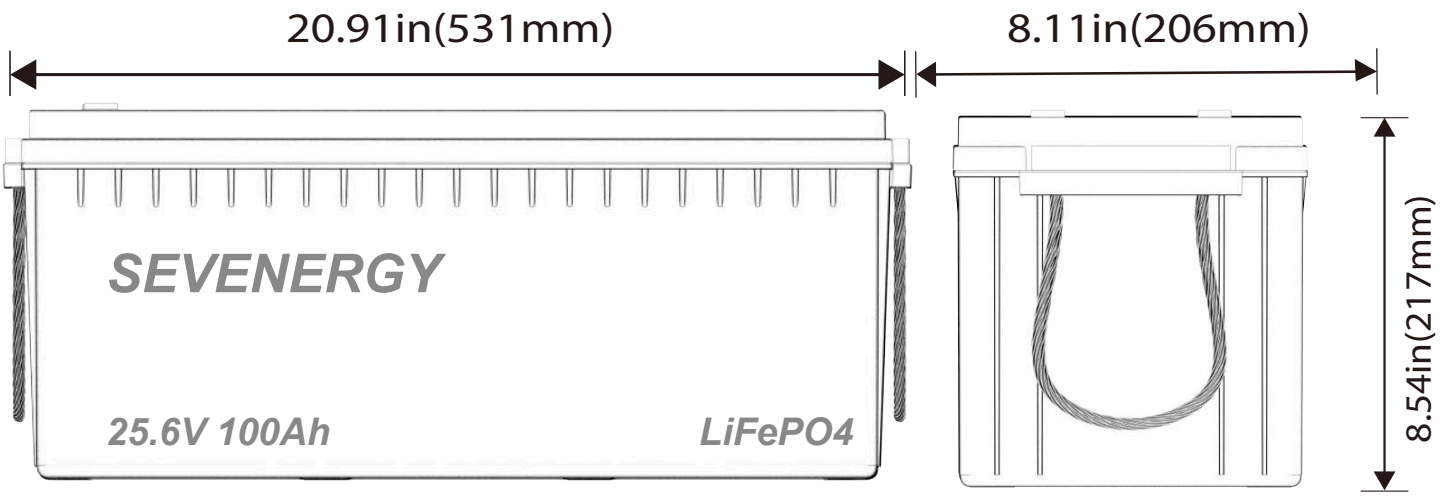
Make sure that all accessories are complete and free of any signs of damage.

Mechanical Specification

Top



Dimensions



Enclosure dimensions: factory reference values;
final figures are confirmed with the order documentation.

Dimension tolerance: ±0.2 in (0.5 mm)

To Size Battery Adapter Cables

Use appropriately sized Battery Adapter Cables (sold separately) based on expected load. Refer to the table below for copper cable ampacities with different gauge sizes.

Cable Gauge Size	Ampacity	Cable Gauge Size	Ampacity
15 AWG (1.5 mm^2)	16A	3 AWG (33.5 mm^2)	125A
13 AWG (2.5 mm^2)	25A	2 AWG (50 mm^2)	160A
9 AWG (6 mm^2)	35A	1 AWG (70 mm^2)	200A
7 AWG (12 mm^2)	50A	1/0 AWG (95 mm^2)	250A
6 AWG (16 mm^2)	80A	2/0 AWG (150 mm^2)	300A
4 AWG (25 mm^2)	100A	4/0 AWG (185 mm^2)	355A

The above values are from the NEC Table 310.17 for copper cables rated at 194°F (90°C), operating at an ambient temperature of no more than 86°F (30°C). Cables longer than 13 feet (4000 mm) may require thicker gauge wires to prevent excessive voltage drop in undersized wiring.

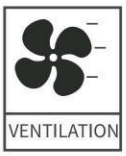
Choose a Mounting Site

For optimal battery performance, it is recommended to install the battery in a clean, cool, and dry location, free from any accumulation of water, oil, or dirt. Accumulation of such materials on the battery can lead to current leakage, self-discharge, and even short-circuiting.







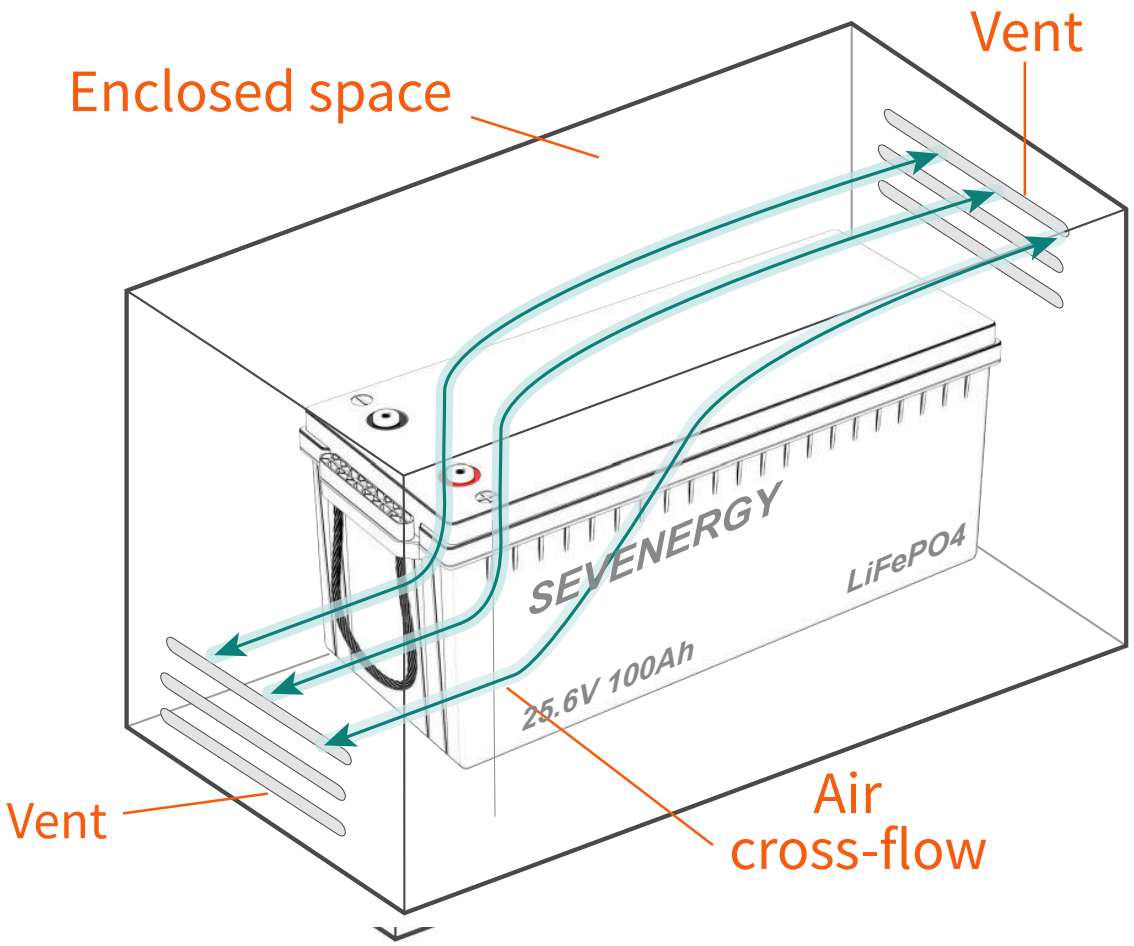




Min-20℃

Max+45℃

RH.+5%~+95%



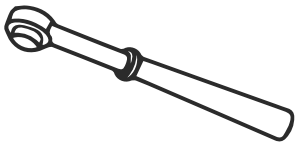
⚠ Sufficient airflow must be provided to prevent excessive heat build-up and to minimize temperature variation between the connected batteries.

ⓘ This user manual takes a battery as an example to illustrate how to install the battery.

Tools required for installation

Prior to installing and configuring the battery, prepare the recommended tools, components, and accessories.

1 Torque wrench



2 Wrench



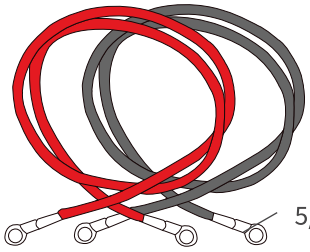
3 Scissors



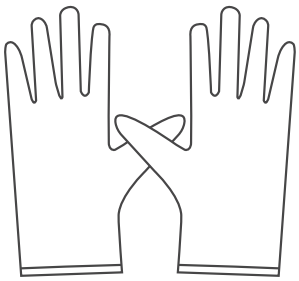
4 tie



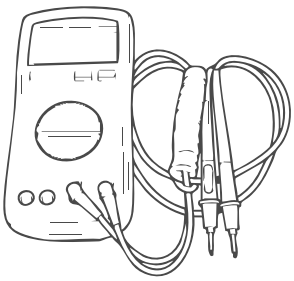
5 Battery Adapter Cables × 2



6 Insulating Gloves



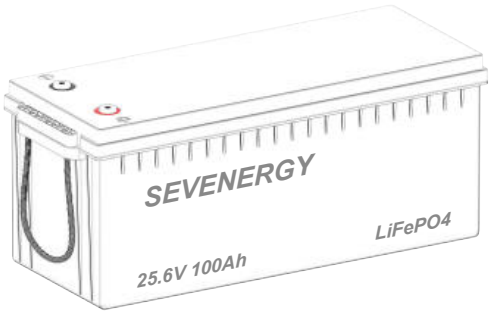
7 Multimeter

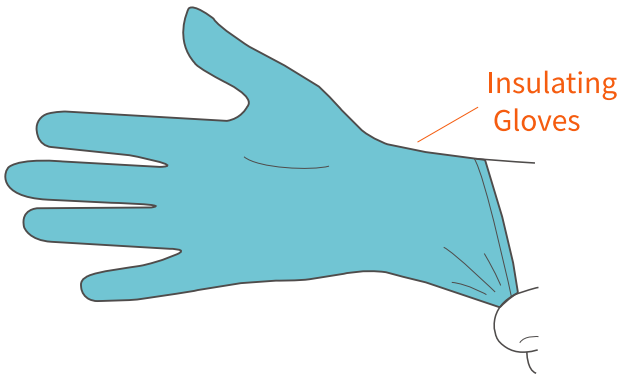


When assembling, ensure that parallel and series connection wires are of equal length.

Wear Insulating Gloves

Inspect the battery for any visible damage including cracks, dents, deformation, and other visible abnormalities. All connector contacts shall be clean, free of dirt and corrosion, and dry.





Do not touch the exposed electrolyte or powder if the battery is damaged.

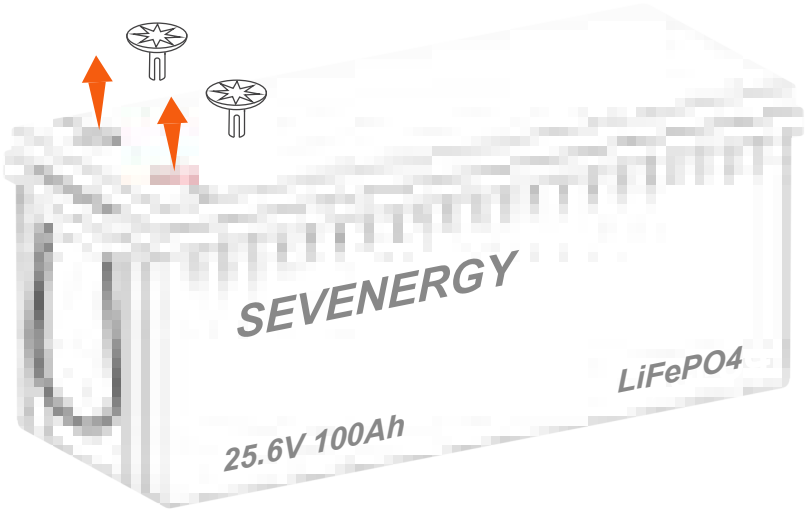
If uncovered electrolyte or powder contacts your skin or eyes, flush it out immediately with plenty of clean water and seek medical attention.

If it is used as a single unit (1S1P)

Step 1

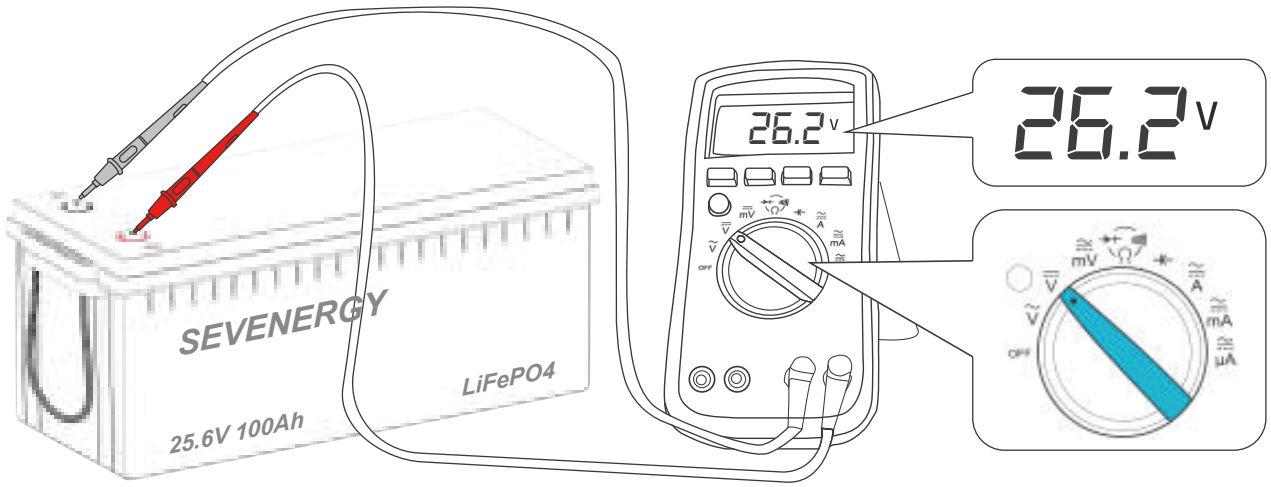
Check The Battery And Remove The Insulation Cover

Inspect the battery for any visible damage including cracks, dents, deformation, and other visible abnormalities. All connector contacts shall be clean, free of dirt and corrosion, and dry.

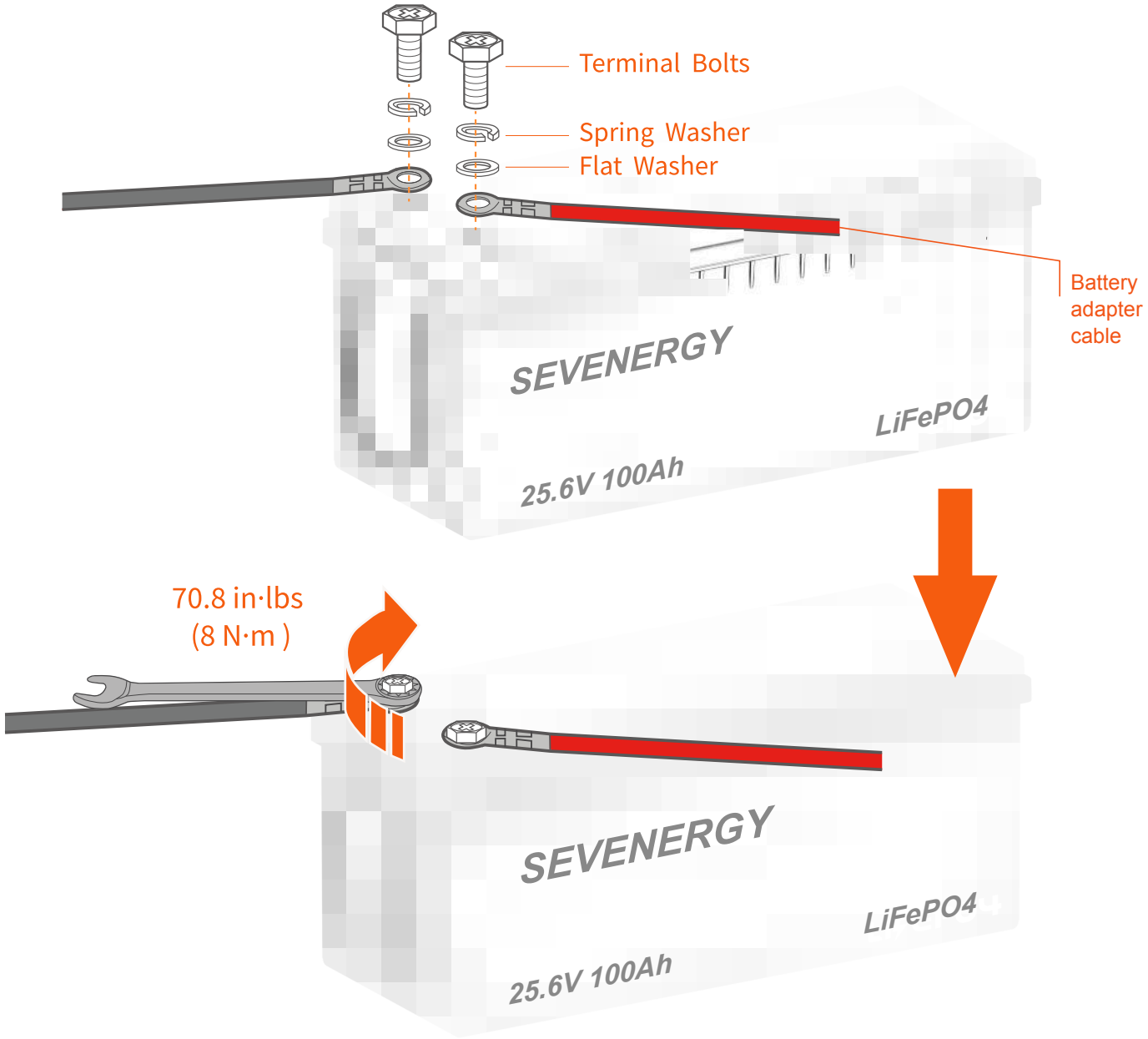


Step 2

Test The Battery Voltage with Multimeter



Step 3
Install Battery Terminals



⚠ Ensure the cable lug and the top surface of the terminal are in contact, and place the washers on top of the lug. Do not place the washers between the battery terminal and the cable lug to avoid high resistance and excessive heating.

⚠ Avoid short-circuiting the battery terminals to prevent irreversible damage to the system and battery caused by current bursts.

⚠ Verify polarity before wiring to avoid irreversible battery damage due to polarity reversal.

⚠ Do not touch the positive and negative terminals of the battery with your hands.

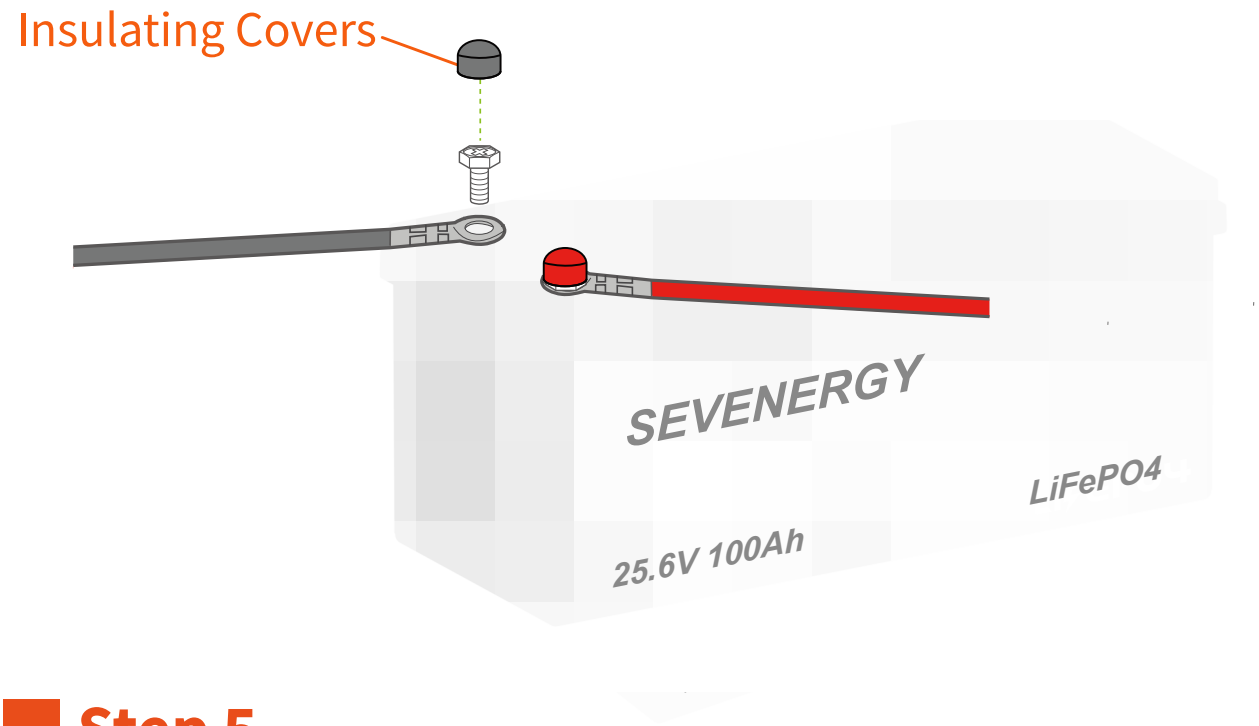
Follow the manufacturer's torque specification when securing cable connections.
Over-tightening can break terminals; loose connections can overheat or cause fire.
Use the longer supplied bolts when securing multiple cable lugs on one terminal.
Use the torque wrench shown in the tools list (tool 1).

Supplied: M8 x 14 mm (2 pcs) + M8 x 16 mm (2 pcs).
Install one bolt per terminal (2 bolts per battery). Select the bolt length to suit the cable-lug and washer stack, ensuring proper thread engagement.

Step 4

PUT ON Insulating Covers

Please put on the insulating covers to avoid metal or conductive objects touching the positive and negative terminals of the battery at the same time, otherwise it is likely to cause a short circuit.



Step 5

Fully Charge The Battery Separately

(Refer to Page 21-23 for battery charging methods)

Step 6

Connect the Battery to Other Devices

Please use circuit breakers, fuses, or disconnects appropriately sized by a certified electrician, licensed installers, or regional code authorities to protect all electrical equipment.

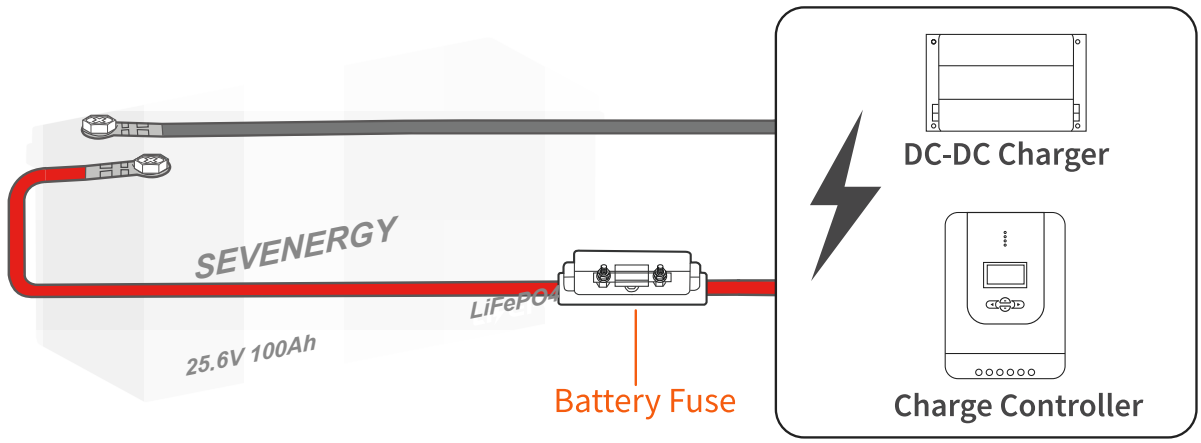
If you use 2 or more units in parallel

Balance Batteries Prior to Connection

Before connecting batteries in parallel, it is important to balance them to reduce voltage differences and optimize their performance. Follow these three steps: (You can choose suitable busbars in parallel connections. Busbars help handle high currents and are typically arranged in a parallel or stacked configuration to distribute electrical power efficiently.)

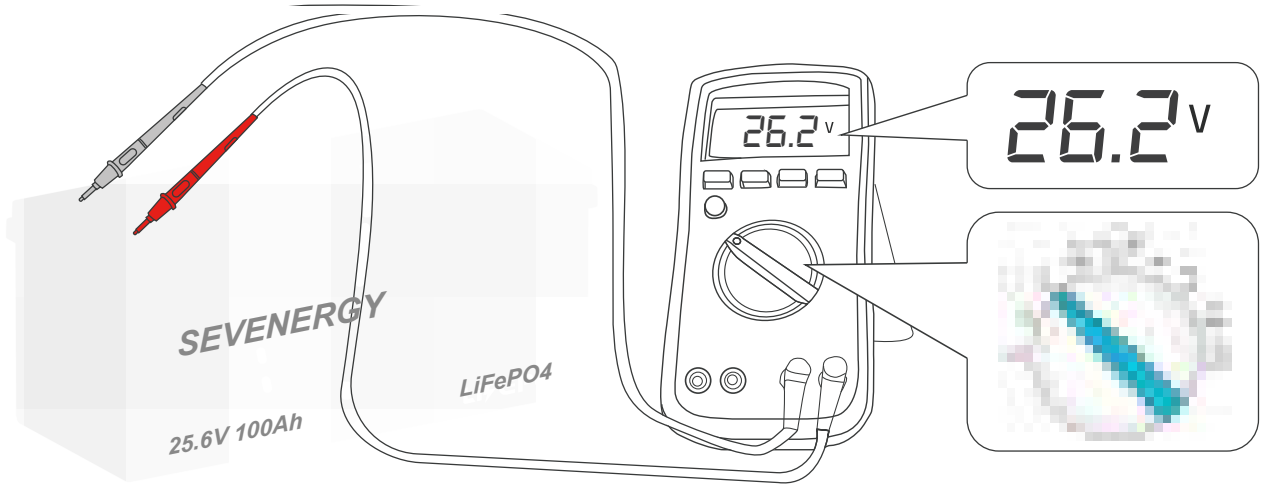
Step 1

Charge each battery individually to its full capacity using a suitable charger.



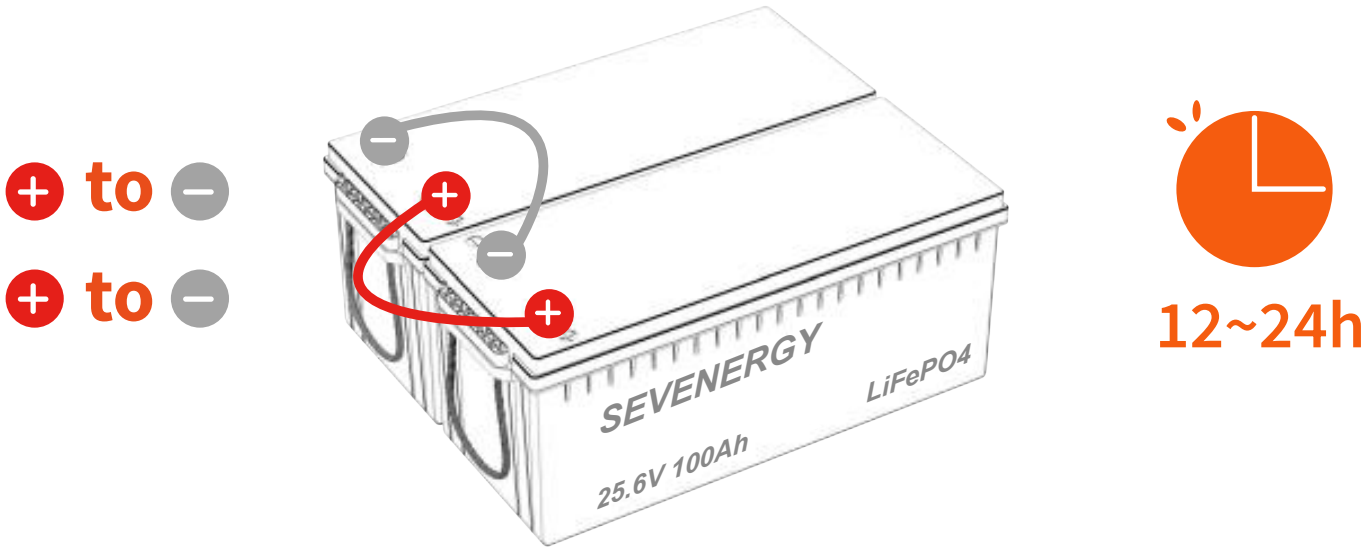
Step 2

Use a voltmeter to measure the voltage of each battery. It is best to keep the voltage difference of each battery less than 0.1V.



Step 3

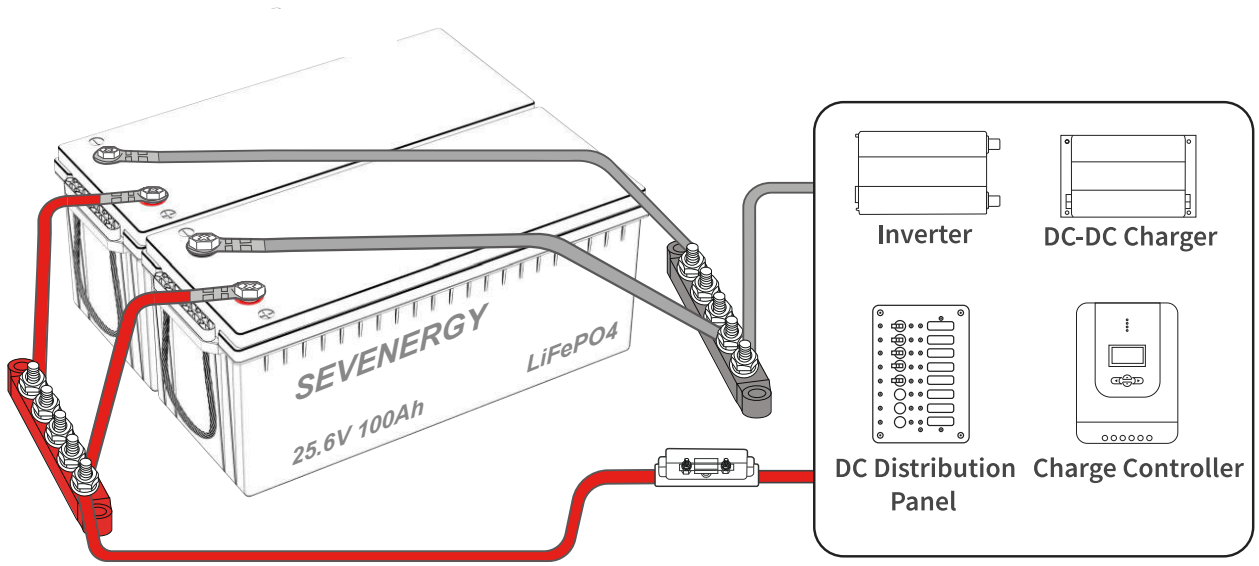
Connect all the batteries in parallel and allow them to rest together for 12 to 24 hours.



Refer to page 12 for screw installation parameters.

Step 4

Connect the 1# and 2# positive and negative poles to the busbars that match the current power. Then connect the busbar + and busbar - to the power supply end and the load end respectively.



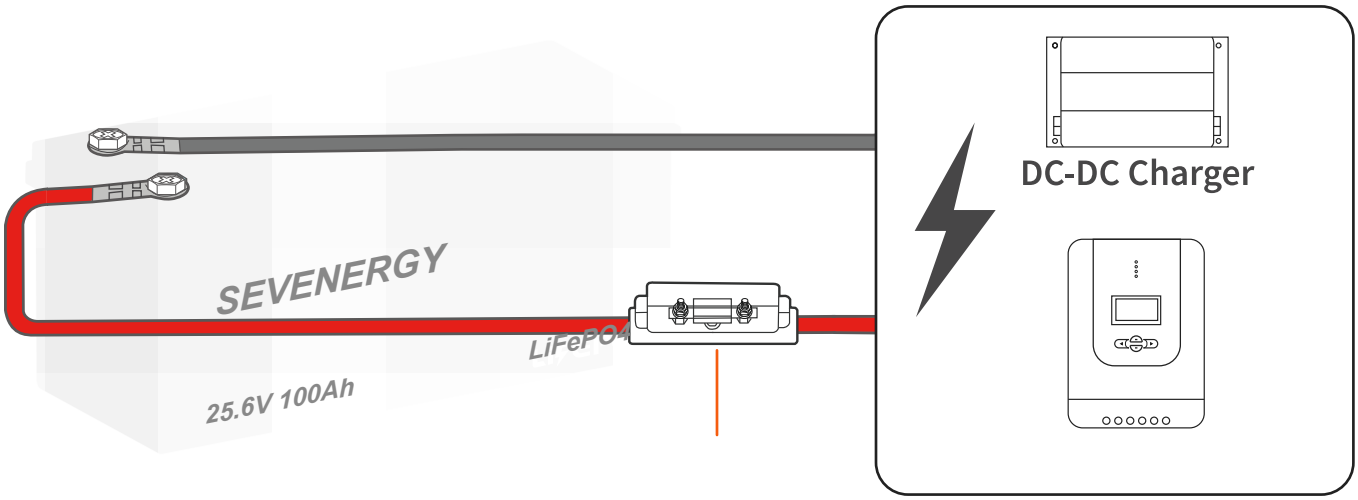
NOTICE BEFORE USING

If you use 2 or more units in series or parallel:

You can choose suitable busbars in parallel connections. Busbars help handle high currents and are typically arranged in a parallel or stacked configuration to distribute electrical power efficiently

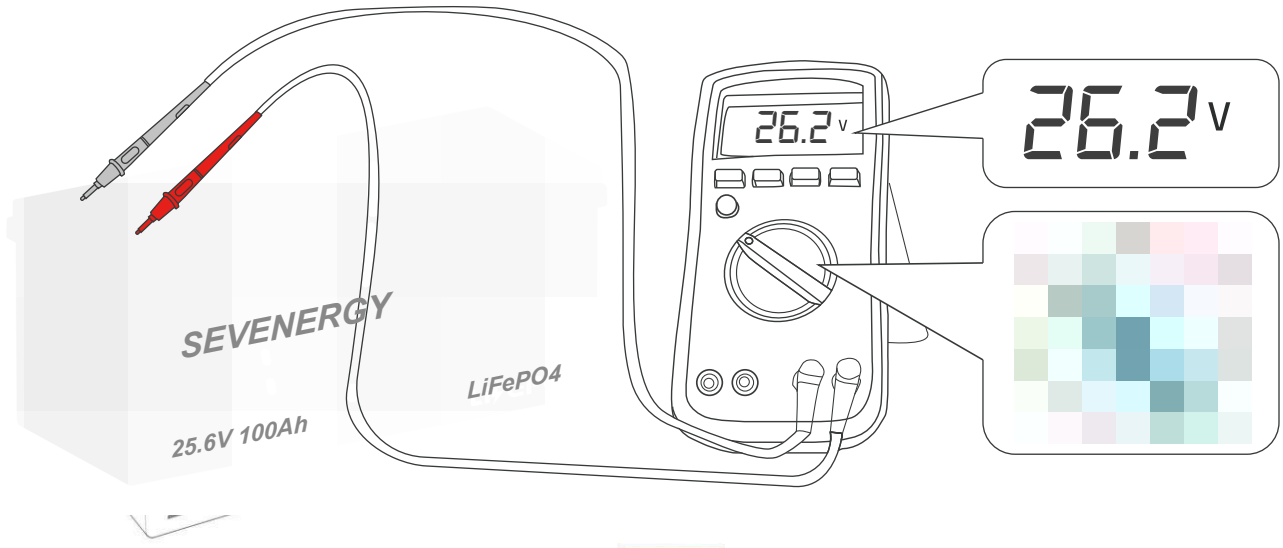
Step 1

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Step 2

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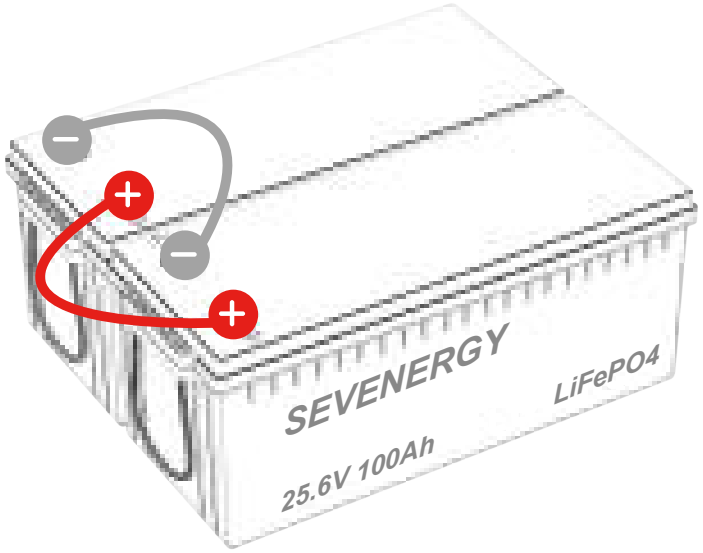


Step 3

Connect all the batteries in parallel and allow them to rest together for 12 to 24 hours.

+ to −

+ to −

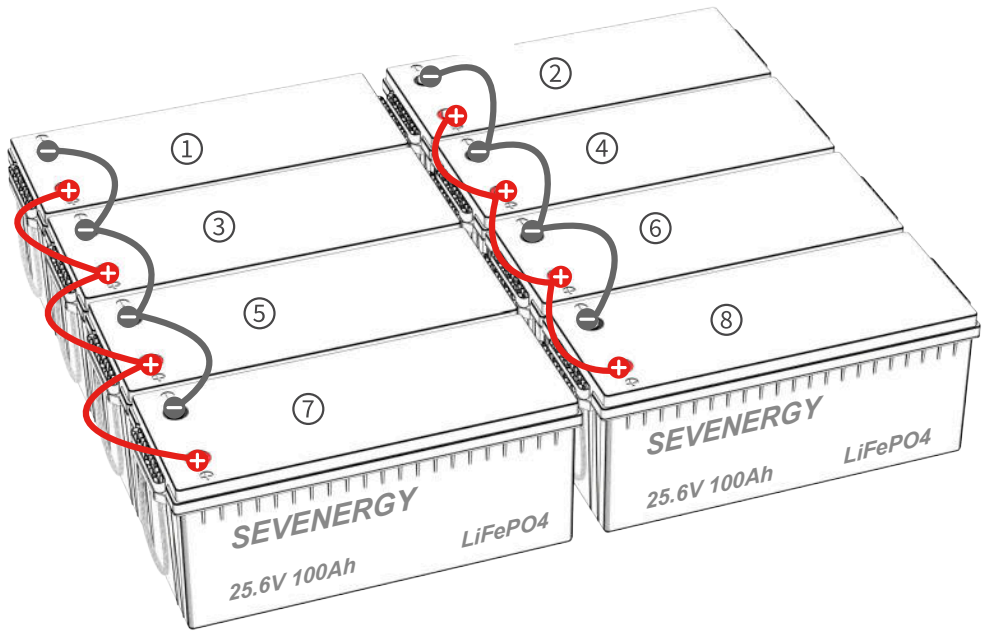


12~24h

Refer to page 12 for screw installation parameterst.

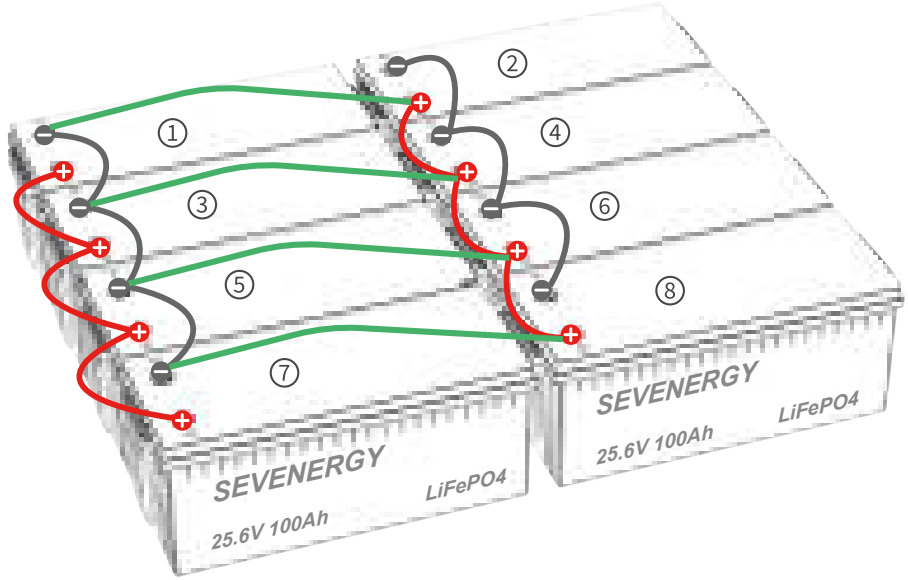
Step 4

After the voltage is balanced, remove the screws of the battery and connect the batteries in parallel first. (Take 2S4P as an example, first connect the 8 batteries 1#, 3#, 5#, 7# and 2#, 4#, 6#, 8# in parallel to form 2 battery systems.)



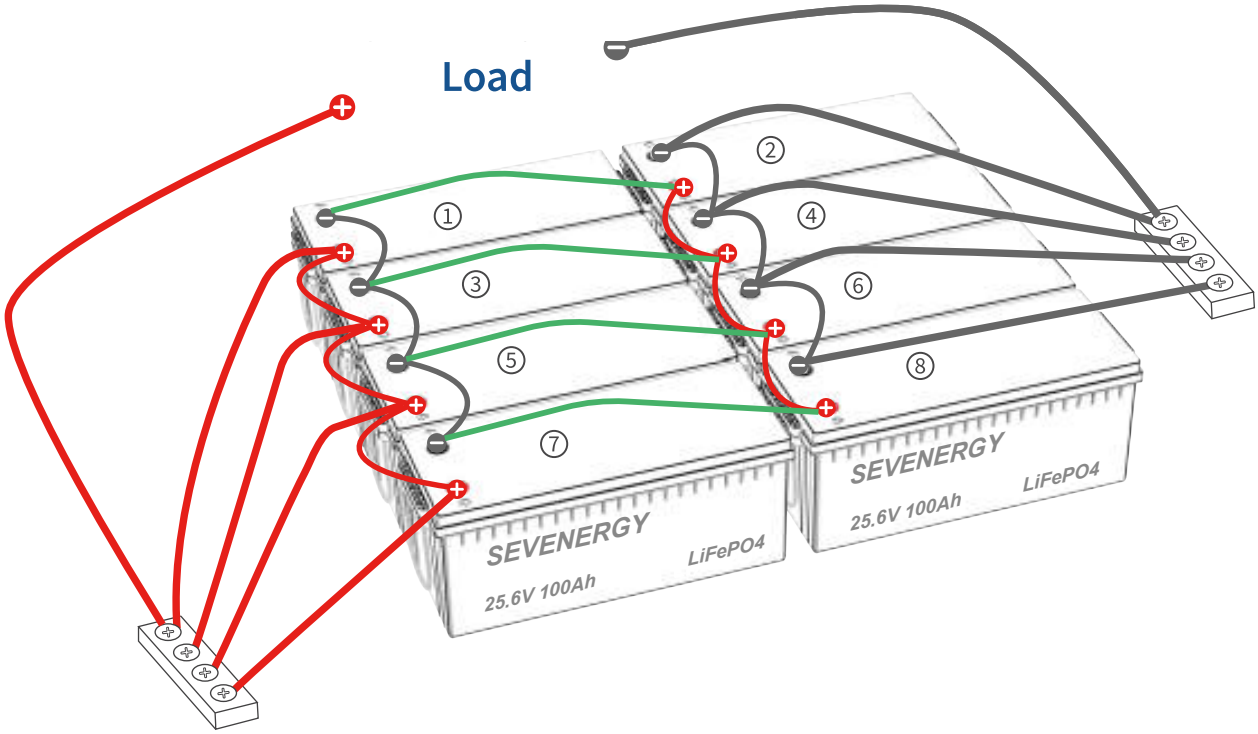
Step 5

Connect the two battery systems in series. Connect the negative pole of 1# and the positive pole of 2# in series, 3# and 4#, 5# and 6#, 7# and 8# and so on.



Step 6

Connect the positive poles of 1#, 3#, 5#, 7# and the negative poles of 2#, 4#, 6#, 8# to the busbars that match the current power. Then connect the busbar + and busbar - to the power supply end and the load end respectively.



4P2S 48 (51.2V)400Ah Battery System

Note: It is recommended to periodically re-balance the battery voltages every six months when connecting multiple batteries as a battery system. Slight voltage differences can occur among batteries over time due to factors like battery chemistry, capacity, temperature, and usage patterns.
Please refer to Table 1 for the voltage, capacity parameters and maximum number of series and parallel connections.
Note that the cable connection methods provided below are for reference purposes only, as the optimal approach may vary depending on the specific situation. It is essential to consider various factors, such as the cable size, equipment used, and environmental conditions.

Battery System Energy	24V (25.6V)200Ah 5120Wh	1S2P
Battery System Energy	24V (25.6V)300Ah 7680Wh	1S3P
Battery System Energy	24V (25.6V)400Ah 10240Wh	1S4P
Battery System Energy	48V (51.2V)100Ah 5120Wh	2S1P
Battery System Energy	48V (51.2V)200Ah 10240Wh	2S2P
Battery System Energy	48V (51.2V)300Ah 15360Wh	2S3P
Battery System Energy	48V (51.2V)400Ah 20480Wh	2S4P

Table 1

Battery Charging and Discharging Logic

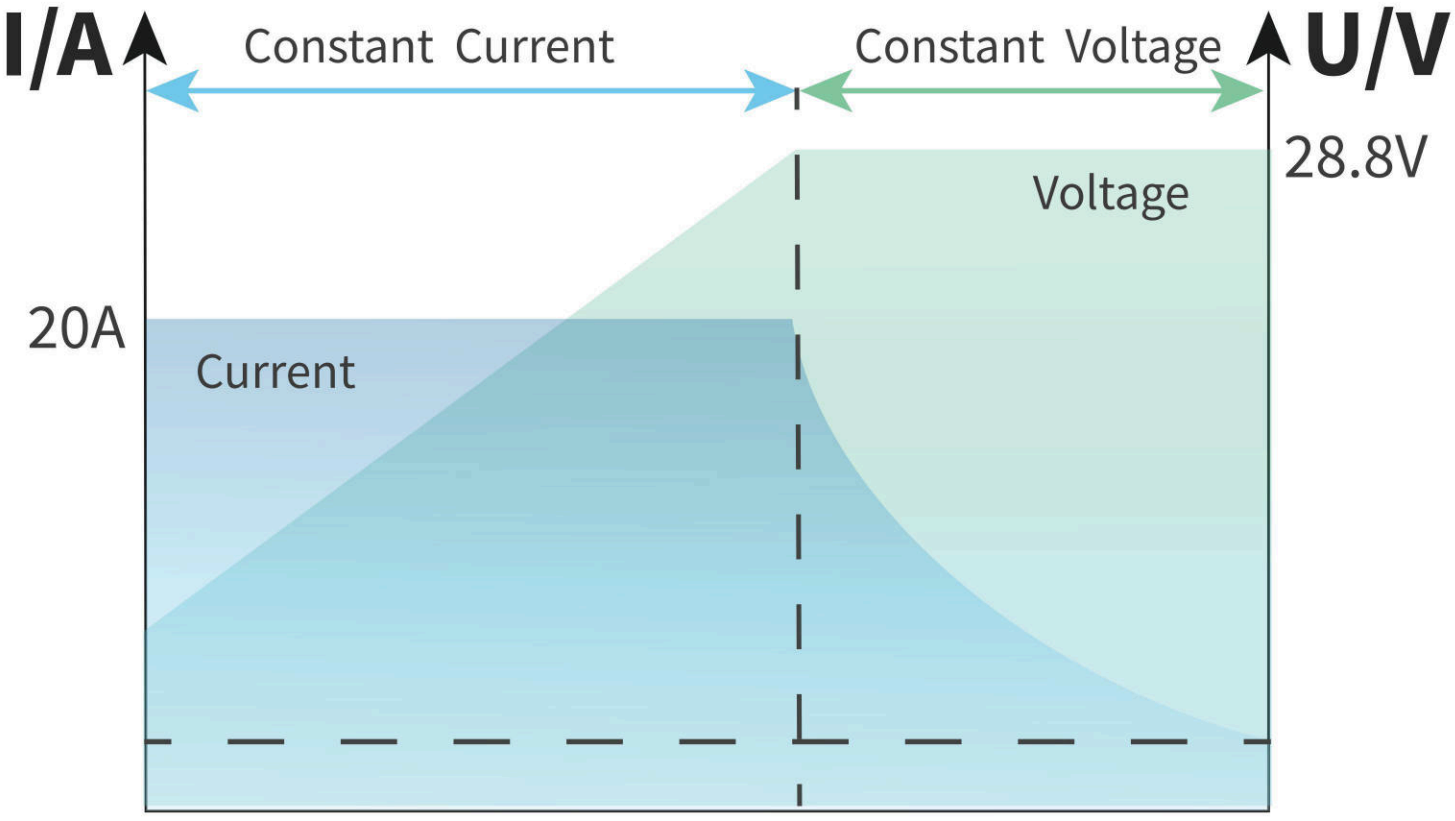
The battery may be received at a partial state of charge (SOC) depending on the time between manufacturing and shipping. It is crucial to fully charge the battery before its initial use. In case the battery shuts off due to low SOC, promptly disconnect it from loads and charge it to prevent irreversible damage. Follow the instructions in this user manual for proper charging and usage to ensure optimal battery performance and longevity

Charging Logic

The standard charging process uses a constant current of 20A until the battery voltage reaches 28.8V, followed by charging at a constant voltage of 28.8V while the current tapers. Charging is complete when the current falls below 5A (the tail current).

At 20A, charging takes approximately 5 hours, depending on the initial state of charge. The battery temperature must be between 32°F and 122°F (0°C and 50°C) for charging.

Leaving the battery on float will continue to balance the battery cells without damaging the battery.



- Lithium batteries are compatible with various charging methods, including MPPT charge controller, AC charger, and DC-DC charger. The crucial parameter setting for these chargers is to set the charge voltage, boost voltage, or bulk voltage at 28.8V .
- Do not overcharge or over-discharge the battery.
- Do not discharge the battery at high temperatures above 131°F (55°C).
- Only charge the battery with a battery charger or charge controller that is compatible with lithium iron phosphate batteries.
- Do not exceed the maximum continuous charge current (100A) of the battery. (When using a single unit).

Discharging Logic

During standard discharging, the battery is discharged at a constant current of 20A until the voltage drops to 20.4V. To ensure safe discharging, the battery temperature should be between -4°F (-20°C) and 131°F (55°C).

- To ensure safe and optimal battery usage, it is recommended to pair the battery with discharge equipment that features a low voltage disconnect (LVD) function.
- Do not connect large loads to the battery when it is running low.
- When the SOC of the battery is >30%, the maximum discharge current can be based on the parallel number of batteries *100A. When the battery's SOC≤30%, it can only support 100A discharge.

SOLAR PANEL(S) & CONTROLLER

Solar Panel

★ Recommend Power: >=600W （When using a single unit）

● The battery can be fully charged in one day (with effective sunshine 4.5 hrs/day) by 600W solar panels.

● It may take more than one day to fully charge the battery by > 600W solar panels since the duration and intensity of light would be a great factor for their charging efficiency.

Controller

★ Recommend Charging Current:

20A (0.2C)	Approx. 5 hours to reach 100% capacity.
50A (0.5C)	Approx. 2 hours to reach 97% capacity.

★ Recommend Power: **24V(25.6V) LI (LiFePO4)**

Controller Settings

★ Recommend Power: >=600W（When using a single unit）

We recommend configuring the following parameters exclusively for LiFePO4 batteries. Settings for other battery types are not applicable to LiFePO4 batteries, except for the settings listed below.

CHARGING	Charge Voltage	28.4~28.8V
	Over Voltage Disconnect	28.8V
	Over Voltage Reconnect	27.6~28.4V
	Tail Current	5A
DIS-CHARGING	Under Voltage Warning	23.2V
	Under Voltage Recover	22~23V
	Low Voltage Disconnect	20.4V

BATTERY CHARGER

Use 28.8V lithium iron phosphate (LiFePO4) battery charger to maximize the capacity.

★ **Recommend Charging Voltage:** Between 28.4V to 28.8V

★ Recommended Charging Current:

20A (0.2C)	Approx. 5 hours to reach 100% capacity.
50A (0.5C)	Approx. 2 hours to reach 97% capacity.

Tips

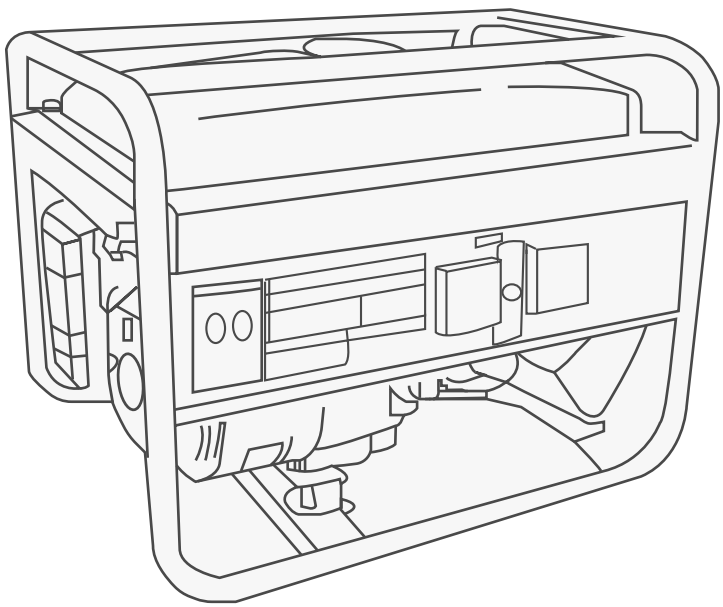
- Connect the charger to the battery before connecting it to the grid power in case of sparks.
- It's recommended to disconnect the charger from the battery after fully-charged.

ALTERNATOR/GENERATOR

SEVENERGY battery can be charged by an alternator or generator, and it needs to connect a DC to DC charger between the battery and the alternator or generator.

★ **Recommend Charging Voltage:** Between 28.4V to 28.8V

20A (0.2C)	Approx. 5 hours to reach 100% capacity.
50A (0.5C)	Approx. 2 hours to reach 97% capacity.



To Estimate the Battery SOC

The SOC values listed below are estimated based on the open circuit voltage when the battery is at rest for 30 minutes, not in charging or discharging state.

SOC	Open Circuit Voltage	SOC	Open Circuit Voltage
100%	27.00V	40%	26.30V
99%	26.80V	30%	26.10V
90%	26.70V	20%	26.00V
80%	26.60V	14%	25.60V
70%	26.50V	9%	25.50V
60%	26.46V	5%	25.00V
50%	26.40V	0%	23.20V

The table above is for reference only because slight variations in battery voltage may occur among different batteries.

Troubleshooting

Problem	Possible Causes	Solution
The battery cannot be activated with a charge/discharge current greater than 1A, or its open-circuit voltage is below 20V.	Severe battery over-discharge due to self-discharge or parasitic loads.	Revive the battery using a charger or charge controller with a lithium battery activation or forced-charging function.
The battery shuts off due to under-voltage protection.	The battery voltage drops below the preset threshold.	Disconnect all loads and charge the battery at a current greater than 1A as soon as possible.
The battery cuts off the charging current due to over-voltage protection.	Over-voltage protection interrupts the charging current.	1. Disconnect the charging source. 2. Reduce charge voltage by 0.2V to 0.4V for 6 hours. 3. Recharge using the correct voltage setting. If the issue persists with a compatible LiFePO4 charging source and the correct voltage, repeat these steps.

Troubleshooting (continued)

Problem	Possible Causes	Solution
Battery temperature becomes too high or too low during operation, triggering high/low-temperature protection.	The battery temperature exceeds the preset threshold.	1. Disconnect the battery from the charging source or loads. 2. Allow the battery to cool down or warm up. 3. The battery automatically recovers from high/low-temperature protection and resumes operation.
Short circuit protection is triggered.	A short circuit occurs in the battery.	1. Remove the short circuit as soon as possible. 2. Charge the battery with a current greater than 1A.
Charge/discharge over-current protection is triggered by excessive current passing through the battery.	Excessive current flows through the battery during charging or discharging.	Disconnect the battery from the charging source or loads as soon as possible.

SOLAR PANEL(S) & CONTROLLER

Inspection

Please perform regular inspections following the steps below:

- Examine the external appearance of the battery. The housing and terminals of the battery shall be clean, dry, and free of corrosion.
- Check battery cables and connections. Replace any damaged cables and tighten any loose connections.

In certain application scenarios, corrosion may occur around the terminals. Corrosion can cause increased resistance and poor contact. It is recommended to regularly apply insulation grease to each terminal. Insulation grease can form a moisture-resistan seal and protect the terminals from corrosion.

Cleaning

Please clean the battery at regular intervals following the steps below:

- Disconnect the battery from the system.
- Clear the leaves and debris from the battery.
- Clean the battery with a soft, lint-free cloth. The cloth can be dampened with water or mild soap and water if the battery is extremely dirty.
- Dry the battery with a soft, lint-free cloth.
- Keep the area around the battery clean.
- Reconnect the battery to the system.

In certain application scenarios, corrosion may occur around the terminals. Corrosion can cause increased resistance and poor contact. It is recommended to regularly apply insulation grease to each terminal. Insulation grease can form a moisture-resistan seal and protect the terminals from corrosion.

Checking Voltage

Please check the battery voltage periodically to assess battery health. If the battery is unable to be activated with a charge/discharge current greater than 1A or the battery is activated with a open circuit voltage below 10V, the battery may have been severely over-discharged due to self- discharge or parasitic loads. Please stop using the battery until the fault can be corrected and the battery can be charged.

Storage

Please follow the tips below to ensure that the battery emerges from storage in a good condition:

- Charge the battery to 30% to 50% SOC.
- Disconnect the battery from the system.
- Store the battery in a well-ventilated, dry, clean area at temperatures between -4°F and 113°F (-20°C to 45°C).
- Do not expose the battery to direct sunlight, moisture, or precipitation.
- Handle the battery carefully to avoid sharp impacts or extreme pressure on the battery housing.
- Charge the battery at least once every 3~6 months to prevent it from over-discharge.
- Fully charge the battery when it is taken out of storage.

Important Safety Instructions

- Force majeure including fire, typhoon, flood, earthquake, war, and terrorism.
- Intentional or accidental misuse, abuse, neglect or improper maintenance, and use under abnormal conditions.
- Improper installation, improper operation, and malfunction of a peripheral device.
- Contamination with hazardous substances or radiation. Alterations to the product without express written consent from the manufacturer.

FCC Statement

Inspection

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

(1) Reorient or relocate the receiving antenna.
(2) Increase the separation between the equipment and receiver.
(3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
(4) Consult the dealer or an experienced radio/TV technician for help.

(FCC ID: 2BOVI-MOTLFP256, for model 24100-160L-BT)

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

BLUETOOTH APP

Connect to your battery via Bluetooth with the SEVENERGY app.

Step 1: Download and open the app

Scan the QR code below. Open the app after installation. No account required.

mysevenergy.com/app/



SEVENERGY

Download on the App Store

GET IT ON Google Play

Step 2: Select your battery and connect

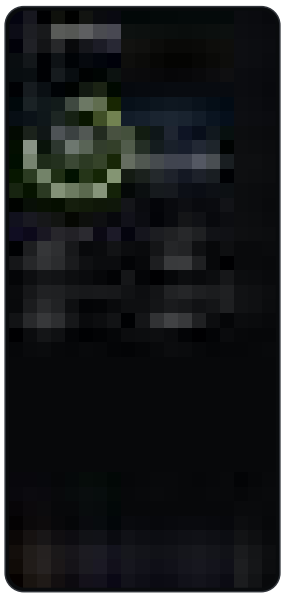
Turn on Bluetooth and allow permissions. Tap Reconnect on the Overview screen.
Select your battery under Nearby batteries, then view its status in Overview.



BLUETOOTH



Select battery



Connected

Screens shown in English. Device names and readings are examples.