

Violetta Solargear VS12-B115LAVA Auxiliary Battery Compartment

Operating Instructions

Thank you very much for purchasing our product. Please read this manual thoroughly before using this product, and retain it for future reference in order to use the product safely, and to make the most of its features. If you use other products together with this product, please read the operating instructions of those products thoroughly before use as well.

Product Summary

An auxiliary deep cycle battery compartment for on-vehicle PV systems designed for powering a broad range of appliances. Composed of a combination of an ultra-thin, light, highly efficient and detachable solar panel and a high capacity and long life battery compartment for ultimate portability, reliability, safety, weather resistance and ruggedness at low cost in business, disaster prevention, leisure and everyday living.

Applications

Doubling the battery capacity by connecting with **VS12-B115LAV battery compartment**.

Features

- A built-in 12V 115Ah deep cycle battery offers maintenance free and long life.
- 2 cargo organizers with hook-and-loop fasteners for overturning prevention.

Important Safety Instructions

Caution Please follow the instructions below. Failure to comply may damage this device, cause the built-in battery to burst or result in leakage, fire and injury.

- Charge only the specified batteries.
- Do not allow metal objects to touch the input/output connectors.
- Do not block the automatic pressure equalization valve on the battery compartment.
- Do not short circuit, or disassemble this device.
- Do not put this device into water.
- Do not use or leave this device near fire.
- Do not use or leave this device in enclosed spaces.
- Do not use or leave this device in unstable high places.
- Stop charging in case of leakage from the battery.
- Stop charging in case the battery becomes unusually hot.

Important Note

We are not responsible for any physical damage to vehicles and appliances, any loss of memorized data, any interruption of business, and any loss of business opportunities caused by this product.

Specifications

- Built-in battery: AC DELCO M31MF deep cycle battery
- Nominal capacity*: 1380Wh (12V 115Ah)
- Max output: 1200W (VS12-B115LAV AC100V inverter outlet)
- 2.1A (VS12-B115LAV DC5V USB)
- 20A (VS12-B115LAV DC12V charge controller terminals)
- Operating temperature (charge)**: -15 - 60°C
- Operating temperature (discharge)**: 0 - 40°C
- (VS12-B115LAV AC100V inverter outlet and DC5V USB)
- -15 - 60°C
- (VS12-B115LAV DC12V charge controller terminals)
- Dimensions (WXDXH): 420X300X360mm (excl. cargo organizers)
- Weight: approx. 27.0kg (excl. cargo organizers)
- Input & output terminals: twin terminals (wing nuts & poles)
- Accessories: 25SQ input & output cables with terminal covers X850mm
- STAYHOLD Classic cargo organizer X1
- STAYHOLD Mini cargo organizer X1

*20 hr rate

**No freezing

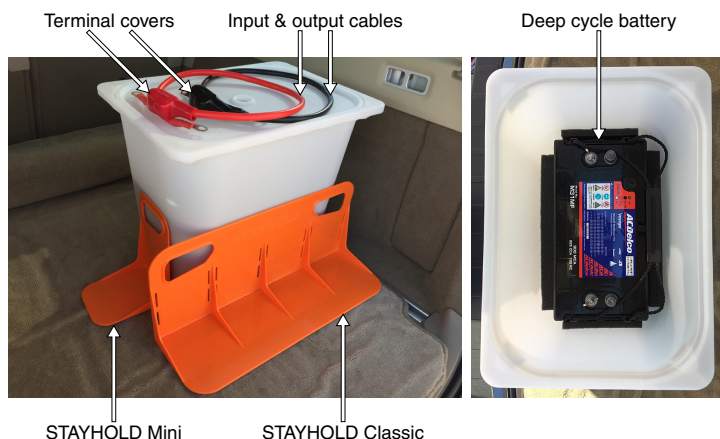
Warranty

- 1 year from the date of purchase

Maintenance

- To protect the built-in battery from over-discharging, charge it immediately when the charge controller indicates low voltage (yellow LED), or charge it at least every 6 month.
- The life of the built-in battery varies widely depending on the operating environment. Replace the battery every 3 - 5 years, or when the operating time becomes notably short.
- Clean this product with a dried or dampened cloth. Do not use oil, solvents, petrol or paint thinners for cleaning.

Feature Diagram



How to Use

Charging the built-in Battery

- Please read the operating instructions manual of the solar panel.

Installing the built-in Battery

- 1 Carry this product by holding the bottom with more than one person and install it at a proper place in the cargo room of a vehicle.

Caution Do not carry this heavy product alone. Overturning it causes liquid leakage from the built-in battery.

Caution Do not install this product outside of a vehicle. The built-in battery may generate heat or ignite by short circuit once get wet.

- 2 Stabilize this product by "STAYHOLD Classic" and "STAYHOLD Mini" cargo organizer.



Connecting with VS12-B115LAV battery compartment

- 1 Connect this product with the DC-AC inverter of VS12-B115LAV battery compartment. Disconnect the input cables of the inverter from the battery first, and from the inverter next. Connect the input cables of the inverter and input & output cables of this product together. Attach the terminal covers.

Caution Make sure to disconnect the input cables from the battery first. Otherwise, contacting terminals may generate heat or ignite by short circuit.



- 2 Connect the input cable of the inverter and battery cable of the charge controller with positive terminal of the built-in battery of VS12-B115LAV battery compartment. Then connect input & output cable of this product with positive terminal of the built-in battery. Attach both terminal covers.



- 3 Connect the input cable of the inverter and battery cable of the charge controller with negative terminal of the built-in battery of VS12-B115LAV battery compartment. Then connect input & output cable of this product with negative terminal of the built-in battery. Attach both terminal covers.

Caution Make sure to connect both cables with + terminals and attach covers first. Contacting + - terminals may generate heat or ignite by short circuit.



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Design and specifications are subject to change without notice.

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