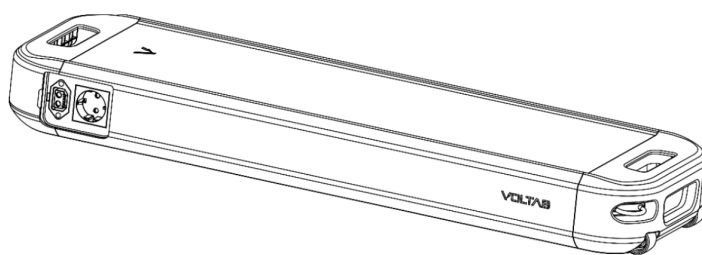


User Manual

V1.1

Our independent energy is now in your hands:
welcome to The New Power Generation!





TIPS

1. Charge the unit before first use.
2. If the state of charge drops below 5% (red LED), recharge it as soon as possible. If it reaches 0, switch the unit off and charge it for at least 30 minutes before restarting it.
3. Do not connect the VOLTAB output to the live electrical grid: use only the charging inlet for the grid connection.
4. If it is not used for more than 3 months, charge the unit to a 40–60% state of charge and store it switched off. For optimal battery life, discharge and charge the unit every 3 months.

IMPORTANT INSTRUCTIONS AND DISCLAIMER

For the best experience and optimal performance, fully charge the unit and, if available, update it to the latest firmware before first use.

Read and understand this manual before use and keep it within reach for future reference. Carefully read all safety tips, warning messages, terms of use and disclaimers.

Before use, refer to the terms of use published on the official website: <https://voltab.energy/terms-of-use>. Users assume full responsibility for all uses and operations, and must become familiar with the regulations in force in their own geographic area.

Legal information

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Notice

VOLTAB® products and services are subject to the terms and conditions agreed upon at the time of purchase. Some aspects described in this manual may not be available depending on the purchase contract. Except as otherwise specified in the contract, Reefilla S.r.l. makes no express or implied representation or warranty regarding the content of this manual.

The content of this manual is subject to change without notice. The most recent version is available on the official website <https://voltab.energy>. For questions or concerns, contact VOLTAB® support at support@voltab.energy.

Reefilla S.r.l. — Lungo Dora Pietro Colletta 85, 10153 Torino, Italy — <https://voltab.energy>

Table of contents

1. Safety information

Using VOLTAB GO® requires attention and compliance with a few fundamental rules to ensure its safety and durability. Read this section carefully and keep it as a reference throughout the product's entire life cycle.

1.1. General rules of use

- Handle VOLTAB GO® with care and avoid impacts, drops or excessive vibration.
- Do not place the product near open flames, heat sources or overheated surfaces.
- Protect the device from water and moisture: do not immerse it, do not leave it in the rain and do not use it in constantly wet environments.
- Do not insert metal objects, tools or foreign bodies into the sockets or connectors.
- Do not modify or disassemble the product: any servicing must be carried out exclusively by authorized VOLTAB personnel. Any opening by the user is done at their own risk.
- Do not place weights or objects on the product and do not use it as a work surface.
- Avoid use in locations with explosive atmospheres or where flammable substances are present.
- During operation, always ensure free air circulation around the device.

1.2. Electrical and battery precautions

- Use only certified cables and accessories suitable for the intended use.
- Do not connect equipment designed to feed energy into the grid to the AC sockets of VOLTAB GO®.
- In case of visible damage to the power cables or insulation, stop use immediately.
- Disconnect VOLTAB GO® by pulling the plug, not the cable.
- Do not expose the battery to extreme temperatures (>65 °C). In case of fire, use plenty of water and inform the fire brigade that these are lithium-ion batteries; if in a confined space, immediately call the local emergency number, take the device outside if possible or ventilate the room, and do not remain in the room because of the risk of smoke, flames and toxic gases.
- Should vapors or liquids be released from the cells: call the local emergency number and inform the manufacturer, avoid contact with skin and eyes, wash thoroughly with water, and consult a doctor if symptoms persist.

1.3. Use with sensitive equipment

- VOLTAB GO® may generate electromagnetic fields that could interfere with implantable medical devices (pacemakers, defibrillators, cochlear implants). Consult your doctor or the device manufacturer before use in such conditions.
- Do not use VOLTAB® as the sole power source for critical or life-support medical equipment.

1.4. Good operating practices

- Do not use VOLTAB GO® on aircraft: the air transport of lithium batteries is subject to severe restrictions.
- Before connecting devices, make sure they are switched off and compatible with the technical specifications reported in this manual.
- Use extension cords only when necessary and with a cross-section adequate for the load; reduce cable length to limit voltage drops.
- Keep the product away from conductive dust, sand, fuels, lubricants or aggressive chemical agents.
- Do not use jet cleaners or solvents for cleaning: use only a dry or slightly damp cloth.
- In case of a drop or impact, check the external integrity: if visibly damaged, stop use and contact support.

1.5. Responsible disposal

- VOLTAB GO® contains batteries and electronic components subject to WEEE regulations (Italian Legislative Decree 49/2014) and is marked with the crossed-out wheeled bin symbol: do not dispose of it with household waste.
- At end of life: contact VOLTAB for collection and correct recycling, or refer to authorized collection centers; when possible, fully discharge the battery before delivery.
- In case of a damaged or non-dischargeable battery, refer to professional disposal organizations.
- Correct recycling protects the environment, reduces pollution and allows the recovery of valuable materials.

2. Package contents

The following images are for reference only; refer to the actual items.

Item	Quantity
VOLTAB®	1
AC charging cable – Schuko	1
Quick Start Guide	1

2.1. Auxiliary accessories

The following accessories are not included in the package and can be purchased separately at <https://www.voltab.energy>.

Accessory	Description
Alternator Charger 12/24 V	Charges VOLTAB from the alternator of a vehicle or boat while driving (output up to ~580 W).
MPPT Solar Charge Controller	Photovoltaic charge controller up to 800 W, with efficiency above 99.5% and IP65 protection, for charging from solar panels.
DC Step Down (Buck Supply)	Reduces and stabilizes the DC voltage (e.g. 12 V / 24 V) to safely power the on-board electrical system of campers, boats and special vehicles.
Shoulder strap	With handle and quick-release hook system for transport and handling in the field.
Handle	Quick-release hook system for transport and handling in the field.
Hermetic Case	Rigid watertight case with a shaped foam interior, to protect the unit from impacts, water, dust and harsh conditions.
External display and button	Remote module with a display and a control button to monitor the device status and control it remotely.

3. Discover your VOLTAB

VOLTAB is a portable power station designed to provide energy on the move, either off-grid or connected to the grid. Before using it, it is important to identify the version you own: the three variants share the same body, controls and charging system, but differ in their output sockets.

The three versions of VOLTAB GO

- VOLTAB GO — base version with two Schuko output sockets (CEE 7/4, 16 A), ideal for powering tools and equipment in off-grid mode.
- VOLTAB GO EV — pairs a Schuko socket with a Type 2 socket (IEC 62196-2) for direct charging of electric vehicles.
- VOLTAB GO HD — heavy-duty version with a single-phase industrial CEE 16 A socket and a Schuko socket, designed for construction sites, events and professional applications.

All versions share: an on/off switch, LED status indicators, an AC charging inlet, a DC input for photovoltaic/alternator, ventilation grilles, transport hooks and wheels integrated into the base.

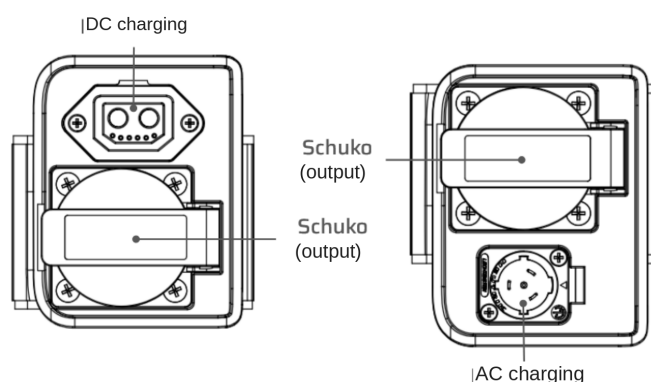
Feature	GO	EV	HD
AC output	2 × Schuko	1 × Schuko	CEE 16A + Schuko
Vehicle charging (Type 2)	—	Yes	—
AC charging	Powercon	IEC C20	Powercon
DC / PV input	Yes (60V, 50A)	Yes (60V, 50A)	Yes (60V, 40A)

3.1. Sockets and interfaces by variant

The following images show the sockets of each version. Always refer to the equipment of your own variant.

3.1.1 VOLTAB GO

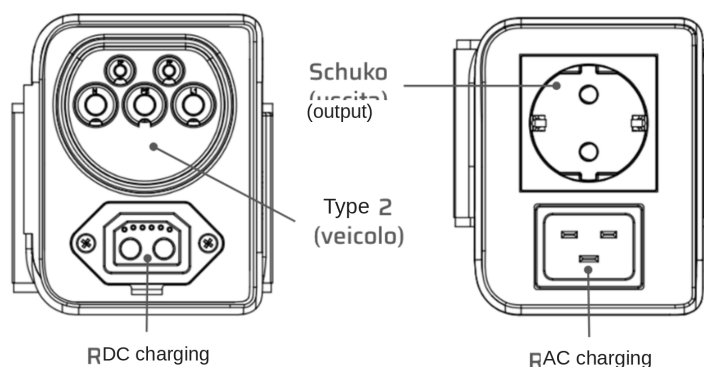
- 2 × Schuko output socket (CEE 7/4, 16 A), one on each side, with a flip-up protective cap.
- Powercon AC charging inlet (twist-lock connector).
- DC input (up to 60 V / 50 A) for photovoltaic or alternator.



VOLTAB GO socket configuration.

3.1.2 VOLTAB GO EV

- 1 × Schuko output socket (CEE 7/4, 16 A).
- Type 2 socket (IEC 62196-2) for charging electric vehicles.
- IEC C20 AC charging inlet.
- DC input (max 50 A) for photovoltaic or alternator.



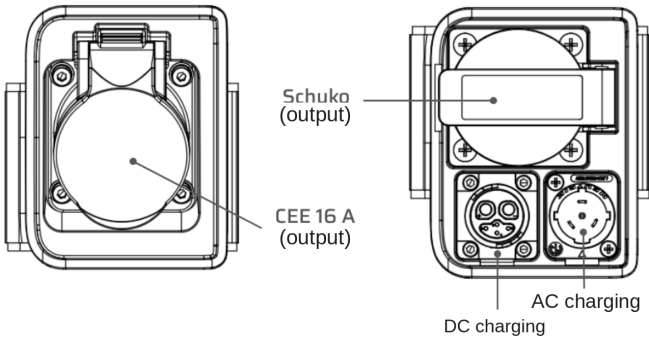
VOLTAB GO EV socket configuration.

3.1.3 VOLTAB GO HD

The HD version is designed for heavy-duty professional applications. The sockets are distributed on the two sides of the device:

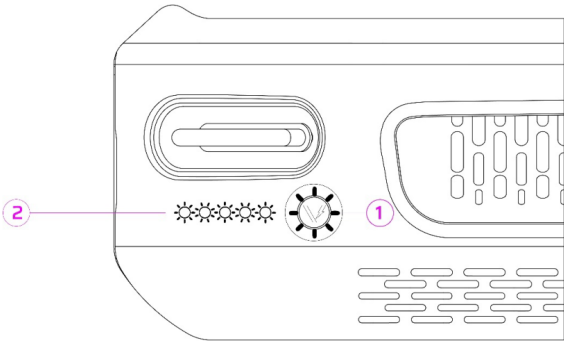
- Single-phase industrial CEE 16 A output socket (on one side).

- Schuko output socket (on the opposite side).
- Powercon AC charging inlet (twist-lock connector).
- DC input (max 40 A) for photovoltaic or alternator.



VOLTAB GO HD socket configuration

3.2. LEDs and on/off switch



1. On/off switch

- Press once to switch VOLTAB GO® on: the logo lights up to confirm start-up.
- Press again to switch VOLTAB GO® off.

NOTE

If the switch is pressed during power delivery, the connected load will be switched off.

2. Status LED indicators and battery level

The light indicators have a dual function: the number of lit LEDs represents the battery state of charge (SoC – State of Charge), while the color and animation of the LEDs represent the operating status of the device.

State of charge (SoC) — number of lit LEDs

LEDs	Lit LEDs	State of charge
●●●●●	5 LEDs	90 – 100%
●●●●○	4 LEDs	70 – 89%
●●●○●	3 LEDs	50 – 69%
●●○○○	2 LEDs	30 – 49%
●○○○○	1 LED	0 – 29%
●○○○○	1 red LED	charge below 10%

Operating status — LED color and animation

	Color / Animation	Meaning
	White — blinking	Discharging (power delivery).
	Red — blinking	Discharging with the battery at 10% or less: recharge as soon as possible.
	Green — blinking	Charging from the grid or from photovoltaic.
	Orange — solid	End of charge or end of discharge.
	White — steady	Device on in standby, no current flow.
	Yellow	Device initialization phase (at power-on).

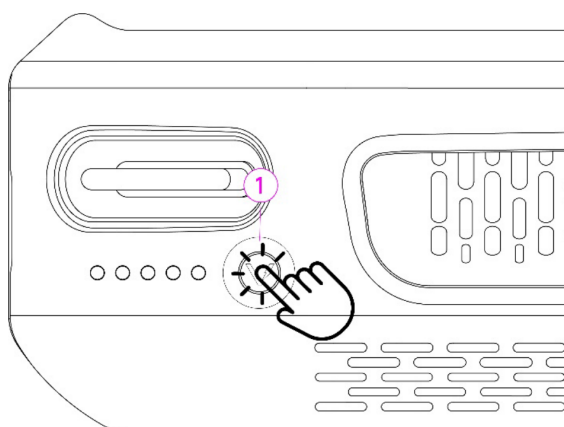
Transitions between states

HOW TO READ THE TRANSITIONS

- At the end of charging the LEDs turn orange. When the charging cable is disconnected they turn white again: VOLTAB is ready for use.
- At the end of discharging the LEDs turn orange. When the charging cable is connected they turn green: charging has started.

4. Using VOLTAB GO

4.1. Switching on / off



- To switch VOLTAB GO® on, press the switch (1) once: the logo will light up to confirm start-up.
- Press the switch (1) again to switch VOLTAB GO® off: the logo will turn off to confirm.

A few seconds after switch-on, the LEDs next to the switch light up, indicating the state of charge as described in section 3.2.

NOTE

If the switch is pressed during power delivery, the connected load will be switched off.

4.2. Charging options

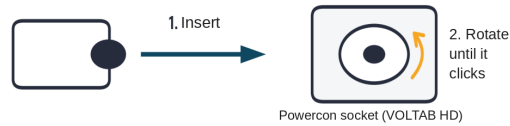
VOLTAB GO® can be recharged from various sources: the electrical grid, photovoltaic panels or an alternator.

Charging from the electrical grid

Charging from the grid takes place through the device's AC charging inlet. On the GO and HD versions the Powercon inlet is used — a twist-lock connector that ensures a locked, secure connection even in harsh conditions; on the EV version the IEC C20 inlet is used. Connect the supplied charging cable first to the VOLTAB GO® inlet and then to a socket connected to the grid (230 V / 50 Hz). The charging power can be adjusted from 500 to 2000 W via the app (see chapter 5).

Connecting the Powercon connector (GO / HD)

1. Align the Powercon connector of the charging cable with the inlet on the VOLTAB GO® panel.
2. Insert the connector straight in, pushing it fully into the inlet.
3. Rotate the connector clockwise until it clicks into the locked position: the connection is now secured.
4. To disconnect, operate the release lever/collar and rotate in the opposite direction before pulling it out.



Inserting the Powercon connector: insert straight and rotate clockwise until it clicks into place.

WARNING

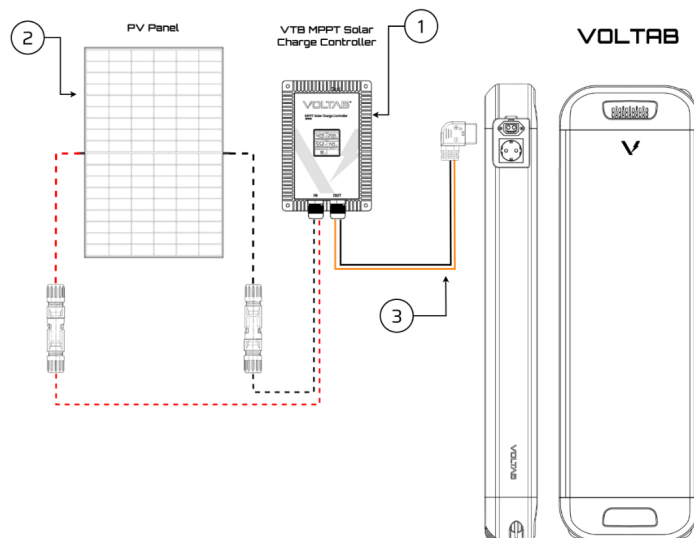
Always fully insert and lock the Powercon connector before powering the charge. Do not connect or disconnect under load and do not use damaged connectors or cables.

Inserting the DC connector (DC / PV input)

The DC / PV input of VOLTAB GO® uses an M25 connector with a blue locking collar, used to connect direct-current sources (MPPT Solar Charge Controller or Alternator Charger).

1. Align the connector with the M25 input and push it into place: the blue collar rotates automatically and a "click" is heard, confirming correct insertion.
2. To disconnect, rotate the collar in the direction indicated by the padlock symbol and pull the connector out towards you.

Photovoltaic panels (optional, external device required)

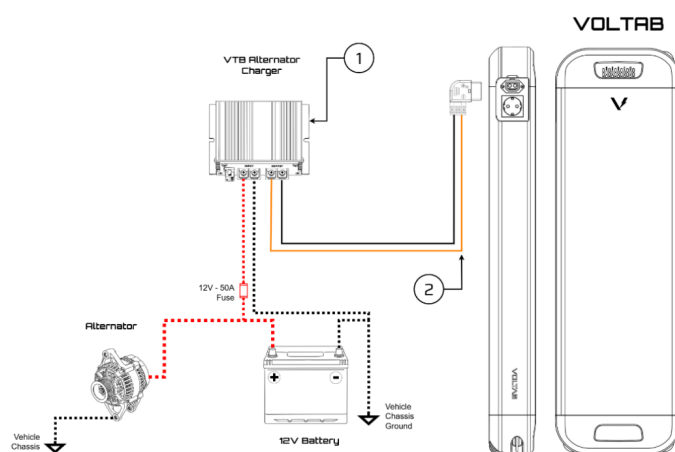


VOLTAB GO® can be recharged via photovoltaic panels using the MPPT Solar Charge Controller (1), sold separately. The controller is connected to VOLTAB GO® via the DC cable (3) supplied with the accessory. Any panel (2) can be connected, respecting the input voltage and current limits of the MPPT (refer to its manual).

WARNING

- Installation and commissioning of the photovoltaic system must be carried out by qualified personnel.
- Interfacing with external direct-current systems may generate risks of electric shock, fire or permanent damage if done improperly.

Alternator or 12 V DC source (optional, external device required)

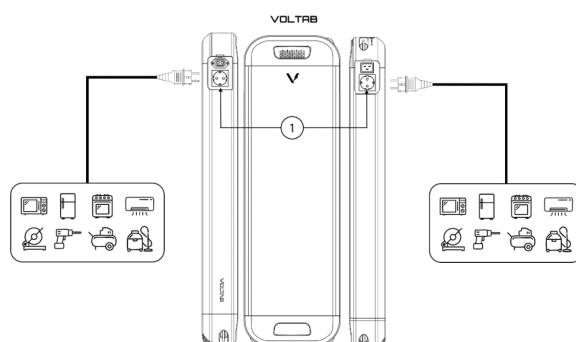


VOLTAB GO® can be recharged via the alternator of a vehicle or boat with a 12 V system, using the Alternator Charger (1), sold separately. The accessory is connected to VOLTAB GO® via the DC cable (2).

WARNING

- Installation and wiring of the Alternator Charger must be carried out exclusively by expert personnel, especially when integrated into vehicles or boats.
- A 50 A protective fuse on the DC input branch is mandatory, installed as close as possible to the source, to protect both VOLTAB GO® and the vehicle system.

4.3. Powering devices



VOLTAB GO® is designed to power electrical and electronic devices, even high-power ones, while disconnected from the grid (Off-Grid Mode). To operate in this mode:

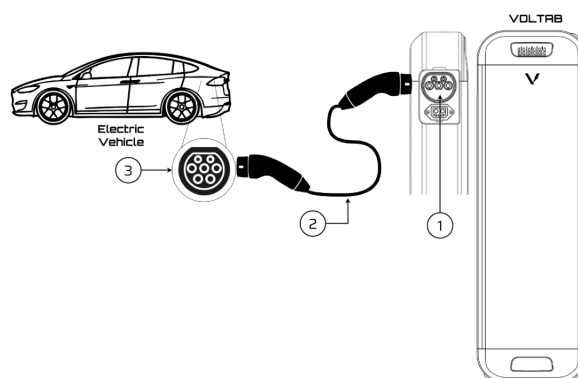
1. Switch VOLTAB GO® on as described in section 4.1.
2. Connect the equipment to the Schuko sockets (1) located on the right and/or left side of the device.

Multiple loads can be connected at the same time, provided that the sum of their power does not exceed the available limits. VOLTAB GO® delivers pure sine wave alternating current, with a rated power of 3.6 kW and a maximum power of 4.2 kW that can be drawn for up to 40 seconds.

WARNINGS

- During delivery VOLTAB GO® may heat up: the system automatically activates internal ventilation. Place it in a sheltered, dry location, with the ventilation grilles always clear.
- Do not connect devices designed to feed energy back into the grid (e.g. photovoltaic inverters or UPS with backfeed).
- Extension cords and power strips are permitted if certified, with a rating compatible with the maximum power and used so as to avoid overheating or voltage drops.
- In case of overload, the system switches off automatically for protection.

4.4. Charging electric vehicles (EV version only)



VOLTAB GO® has also been designed as a mobile energy source for charging electric vehicles equipped with a Type 2 socket (IEC 62196-2). This function is exclusive to the VOLTAB GO® EV version, which is equipped with an integrated Type 2 charging socket that allows direct charging without adapters, using any standard Type 2 cable supplied with Plug-in or BEV vehicles. VOLTAB GO® EV autonomously manages communication with the vehicle, negotiating the maximum allowable power.

Charging procedure

1. **Connection to VOLTAB GO®** — insert the VOLTAB GO®-side connector (male Type 2) of the cable (2) into the dedicated socket (1) on the right side. Wait for the LEDs to change color: they turn PINK to signal the "cable detected" phase.
2. **Connection to the vehicle** — insert the vehicle-side connector (female Type 2) into the car's charging socket (3). Once the connector is also inserted into the vehicle, the LEDs turn PURPLE to confirm the complete connection and the start of charging.

LED indicators — EV version

On the EV version the vehicle charging sequence is signaled by two dedicated colors; once the connection phase is complete, the LEDs behave again as in the GO and HD versions.

	Color / Animation	Meaning
	Pink	Charging cable inserted into the VOLTAB's Type 2 socket (device side).
	Purple	Cable also inserted at the other end, into the vehicle's socket: complete connection, charging started.
	White — blinking	Discharging (power delivery).
	Red — blinking	Discharging with the battery at 10% or less: recharge as soon as possible.
	Green — blinking	Charging from the grid or from photovoltaic.
	Orange — solid	End of charge or end of discharge.
	White — steady	Device on in standby, no current flow.
	Yellow	Device initialization phase (at power-on).

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	Color / Animation	Meaning

	Color / Animation	Meaning

	Color / Animation	Meaning

	Color / Animation	Meaning

4.5. Safety aspects during operation

During daily use of VOLTAB GO®, follow a few rules to ensure optimal performance and to protect the user, the device and the connected loads.

Placement and ventilation

- Always use VOLTAB GO® in a dry, sheltered location; avoid rain, snow or high humidity.
- Do not cover or obstruct the ventilation grilles: the system uses internal fans to dissipate heat.
- Do not place the device near heat sources (stoves, radiators, ovens), direct sunlight or extreme temperatures.

Connected loads

- Do not exceed the rated output power of VOLTAB GO® (4.2 kW for more than 30 seconds).
- It can handle devices with high inrush currents.
- Never connect devices that can feed energy back into the grid (photovoltaic inverters or UPS in backfeed).
- Extension cords and power strips are permitted if certified, with an adequate cross-section and compatible with the maximum power.

Electrical and battery safety

- Connect and disconnect devices only when they are switched off, to avoid sparks or current peaks.
- In case of overload or short circuit, VOLTAB GO® automatically interrupts the power supply: reduce the load before using it again.
- Do not use damaged sockets or cables and do not insert metal objects into the connectors.
- In case of unusual odors, smoke or excessive heat, immediately switch off VOLTAB GO®, disconnect the devices, take it outdoors and contact support. Do not open or modify the device.

5. Configuring VOLTAB GO

VOLTAB GO® is designed for immediate use: just switch it on and it is ready to deliver energy right away. For more advanced control, a dedicated mobile application is available that allows you to monitor the device status in real time and to modify its main parameters.

5.1. Bluetooth and WiFi modes

Bluetooth mode

The VOLTAB App allows you to:

- Monitor in real time the state of charge, input power and output power.
- Set charging power limits.
- Associate your device with a Google or Apple account.
- Set the Wi-Fi credentials for the automatic connection of VOLTAB GO® once it is switched on near the known Wi-Fi network.

WiFi mode

The VOLTAB App allows you to:

- Monitor in real time the state of charge, input power and output power.

5.2. AC charging mode

1. Connect the supplied charging cable to the charging inlet of VOLTAB GO®: the Powercon inlet on the GO and HD versions, the IEC C20 inlet on the EV version.
2. Insert the Schuko end of the cable into a socket connected to the domestic grid (230 V / 50 Hz).
3. VOLTAB GO® will automatically start charging even if the power switch is not pressed.

For the procedure to connect the Powercon connector (GO and HD versions), refer to section 4.2.

The start of charging is confirmed by the illumination of the logo and the blinking of the green LEDs, which indicate both the current state of charge and the charging progress.

WARNINGS

- Use only certified sockets that comply with the regulations in force.
- Do not cover the ventilation grilles: during charging the device may heat up and activate internal ventilation.

5.3. Photovoltaic charging mode

VOLTAB GO® can be recharged via solar panels using the dedicated MPPT Solar Charge Controller accessory.

WARNING

The installation of the photovoltaic system must be carried out by qualified personnel, paying the utmost attention to the correct connection of the positive and negative poles towards VOLTAB GO®.

1. **Connection of the photovoltaic module** — connect the panels to the MPPT controller respecting the polarity and using certified connectors (MC-4). If in doubt about the series or parallel connection, contact VOLTAB.
2. **Connection to VOLTAB GO®** — connect the output cable from the MPPT to the EXTPV socket on the right side, checking that the protective covers are open and the socket is clean. VOLTAB GO® automatically starts charging even without pressing the switch.

NOTE

In low-irradiance conditions the green LEDs may not light up: this is normal and means that the captured solar energy is not sufficient to start charging. For technical details, refer to the MPPT Solar Charge Controller manual.

5.4. Alternator charging mode

VOLTAB GO® can be recharged via the alternator of a vehicle or boat using the Alternator Charger, harnessing the engine's energy to charge on the move.

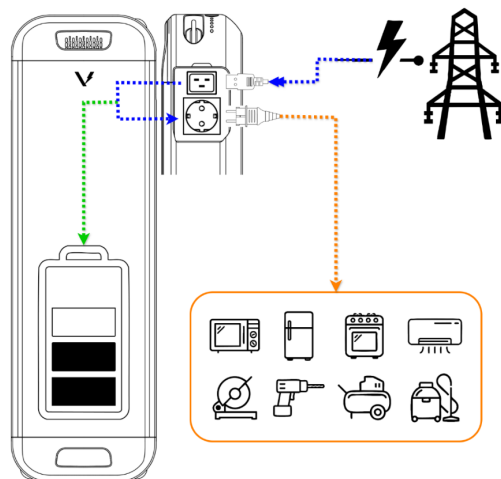
1. **Connection to the Alternator Charger** — connect the input cables to the vehicle battery respecting the polarities and following the accessory's instructions.
2. **Connection to VOLTAB GO®** — connect the output cable from the Alternator Charger to the EXTPV socket on the right side. When the engine is started, VOLTAB GO® automatically starts charging (logo illuminated and green LEDs blinking).

WARNINGS

- Installation and wiring to be carried out by qualified personnel: interaction with the vehicle system requires specific skills.
- The installation of a 50 A protective fuse as close as possible to the vehicle battery is mandatory.
- Do not use damaged or non-certified cables.

6. Special features

6.1. AC Bypass feature

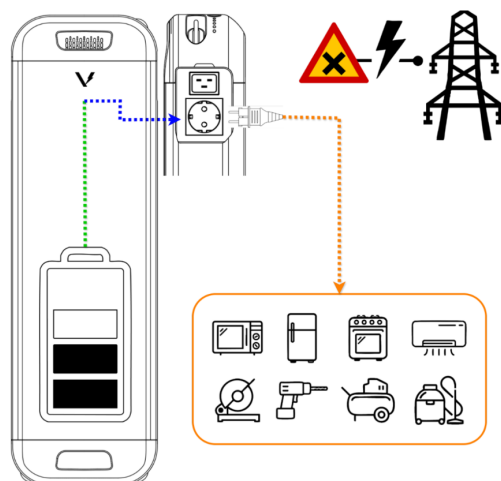


The AC Bypass mode allows VOLTAB GO® to recharge its own battery and, at the same time, power the devices connected to the output sockets. Although it is possible to power loads in this configuration, the total power that can be drawn remains subject to the maximum limit available from the domestic meter or the campsite pedestal.

When the device is connected to the grid via the AC input socket, a direct link is established between the input and the output sockets. In this way the internal battery is recharged and the connected loads continue to receive energy directly from the grid, without discharging the battery.

The advantage is twofold: it allows VOLTAB GO® to be used as a power station even during charging, and it guarantees service continuity: in the event of a grid outage the power supply switches to the battery in < 20 ms.

6.2. UPS feature



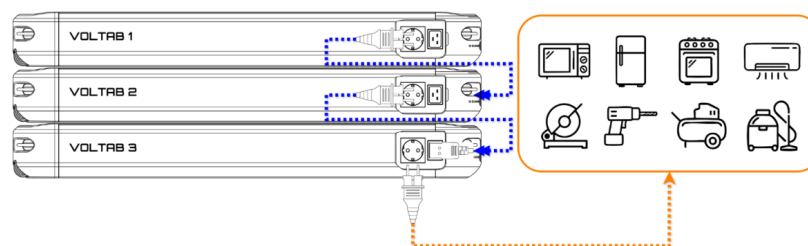
The UPS (Uninterruptible Power Supply) function guarantees continuity of power supply to the connected devices even in the event of an electrical grid outage.

When VOLTAB GO® is connected to the grid via the IEC C20 AC socket, the loads are powered directly from the grid (AC Bypass) and the internal battery is charged or kept charged. If the grid fails, VOLTAB GO® automatically switches to battery power in a very short time (< 20 ms), sufficient to avoid perceptible interruptions for most electronic devices (PCs, routers, home systems).

IMPORTANT WARNING

VOLTAB GO® is not a medical device and must not be used to power medical equipment, life-support systems or devices whose interruption may pose risks to people's health or safety.

6.3. Cascade feature



The cascade mode (Cascade Mode) allows several VOLTAB GO® units to be connected together to increase the overall energy capacity, while keeping the maximum power that the system can deliver unchanged.

The maximum output power remains equal to 3.6 kW (4.2 kW for 30 s) delivered by the device to which the load is connected; the overall capacity (kWh) is equal to the sum of the connected units:

- 1 VOLTAB GO® = 3.6 kW / 3.1 kWh
- 2 VOLTAB GO® in cascade = 3.6 kW / 6.2 kWh
- 3 VOLTAB GO® in cascade = 3.6 kW / 9.3 kWh

Cascade connection procedure

1. Switch off all VOLTAB GO® units before making any connection.
2. Connect the devices to each other using the same supplied charging cables.
3. Connect the charging cable of VOLTAB 2 to the output socket of VOLTAB 1.
4. Connect the charging cable of VOLTAB 3 to the Schuko output socket of VOLTAB 2.
5. Connect the loads only and exclusively to the Schuko output sockets of the last VOLTAB GO® in the chain.
6. Switch on the VOLTAB GO® units in the correct order, from VOLTAB 1 up to the last one, and wait for synchronization.

WARNINGS

- The configuration can also be carried out with only two VOLTAB GO® units.
- Connections must always be made with the devices switched off; switch-on then takes place in the correct order.
- Do not connect the electrical grid during cascade operation: AC Bypass mode must not be used in this configuration, to avoid overloading the cables.
- After cascade use, recharge each VOLTAB GO® separately by connecting it individually to the grid.

7. Maintenance and care

To ensure maximum efficiency and durability of the device, follow a few simple routine maintenance rules:

- Keep VOLTAB GO® clean and dry with a soft cloth. Do not use aggressive detergents, solvents or water jets.
- Periodically check the condition of cables, sockets and connectors. In case of visible damage, do not use the device and contact support.
- Make sure the ventilation grilles are always clear and unobstructed.
- Do not place heavy objects on top of VOLTAB GO®.
- After impacts or drops, inspect the housing: if it shows visible damage, do not reuse the device.

7.1. Battery care and long-term storage

- If not used for long periods, keep the charge level between 40% and 60%.
- Perform a full charge at least every 6 months to preserve battery health.
- Store VOLTAB GO® in a dry, cool and ventilated place, at a temperature between 0 °C and 25 °C.

- Avoid leaving the device discharged for prolonged periods: this may irreversibly compromise the battery capacity.
- Do not store at temperatures above 65 °C or below –20 °C, and do not leave it continuously connected to the grid.

8. Warranty, assistance and support

VOLTAB GO® is covered by a limited warranty of 24 months from the date of purchase, unless different conditions are specified at the time of sale. The warranty covers manufacturing and conformity defects. It does not cover damage caused by:

- improper use or use not compliant with the instructions,
- unauthorized modifications,
- external events (fires, floods, lightning, accidental impacts).

For technical assistance or repair requests, it is necessary to provide proof of purchase (receipt or invoice). For further information, visit <https://voltab.energy> or contact customer service (see the Contacts chapter).

9. Manufacturer's declaration

Reefilla S.r.l., with registered office at Lungo Dora Pietro Colletta 85, 10153 Torino – Italy, declares under its own responsibility that the VOLTAB GO® product complies with the essential requirements and provisions of the following directives:

- Low Voltage Directive (LVD) 2014/35/EU
- Electromagnetic Compatibility Directive (EMC) 2014/30/EU
- RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- Batteries Regulation 2006/66/EC and subsequent amendments

The complete technical documentation is filed at the manufacturer's premises.

10. Specifications

General information

Parameter	Value
Battery capacity	60 Ah – 3.108 kWh
Battery nominal voltage	51.8 V
Guaranteed cycles	3,500 (down to 80% residual capacity)
Weight (from)	19.8 kg
Dimensions (L × W × H)	865 × 268 × 90 mm
Acoustic emission	< 45 dB(A)
Protection rating	IP45
DISCHARGE (OFF-GRID MODE)	
Output voltage	230 V AC / 50 Hz
Rated power	3.6 kW
Maximum power	4.2 kW (for 40 s)
Operating temperature in discharge	–15 °C ÷ +45 °C
CHARGE (FROM ELECTRICAL GRID)	
Input voltage	190–250 V AC / 50 Hz
Rated charging power	500 W – 2000 W

Parameter	Value
Operating temperature in charge	0 °C ÷ +40 °C

Interfaces (sockets) by variant

Interface	GO	EV	HD
AC charging	1 × Powercon	1 × IEC C20	1 × Powercon
AC output	2 × Schuko (16 A)	1 × Schuko + Type 2	CEE 16A + Schuko
DC / PV input	up to 60 V / 50 A	up to 60 V / 50 A	up to 60 V / 40 A
Electric vehicle charging	—	1 × IEC 62196-2 Type 2	—

11. Troubleshooting and FAQ

Common problems

Symptom	Possible cause	Solution
Green LEDs do not light up during PV charging	Insufficient irradiance	Normal, wait for better conditions.
First red LED	Battery discharged	Connect the device to a charging source.
5 red LEDs blinking	Critical error	Switch off and contact support.
Load not powered	Rated power exceeded or standby	Reduce the load or restart the device using the power button.
Excessive fan noise	High load or high temperature	Normal; make sure the air intakes are not obstructed.

Frequently asked questions

Can I charge VOLTAB GO while it powers devices (AC Bypass)?

Yes. VOLTAB GO supports AC Bypass mode: it is possible to power equipment even during charging. It is recommended to set the charging power to 500 W to reduce the draw from the domestic socket, and to never exceed the socket rating.

Can I use solar panels of different brands?

Yes, provided they comply with the established technical limits (voltage, current, MC-4 compatibility). Refer to the MPPT manual for the required parameters.

Can I charge from several sources at the same time (AC + PV + alternator)?

Not all combinations are supported. VOLTAB GO has a single DC port (EXTPV), so it is not possible to connect several DC sources together (e.g. photovoltaic + alternator). Combined AC + DC use is generally supported.

Can VOLTAB GO work as a UPS?

Yes, with automatic switching in the event of a blackout and a fast transfer time (< 20 ms) that allows sensitive devices to be powered.

Is VOLTAB GO waterproof? Can I use it outdoors?

No. VOLTAB is not designed for wet environments: use it sheltered from rain and moisture, in dry and protected environments.

Can I transport VOLTAB GO by air?

No. The air transport of batteries of this capacity is regulated and generally prohibited.

Can I change the charging power from the app?

Yes, via the Bluetooth app it will be possible to adjust the AC charging power among the predefined levels.

Why does VOLTAB GO become hot during use?

During delivery or charging, the batteries and the electronics generate heat: the system automatically activates internal ventilation. Make sure the grilles are not obstructed and that there is space around the device.

How long does the VOLTAB GO® battery last?

It is designed to guarantee up to 3,500 cycles while maintaining 80% of the initial capacity. The actual life depends on the operating conditions, the power of the loads and the charging modes.

Can I charge an electric car with any Type 2 cable?

Yes. VOLTAB GO® EV is equipped with an IEC 62196-2 Type 2 socket, compatible with normal charging cables; during connection VOLTAB GO® automatically negotiates the maximum power with the vehicle.

Can VOLTAB GO® replace a petrol or diesel generator?

Yes: it is designed as an ecological and silent alternative to traditional generators. It produces no harmful emissions, operates in complete silence (< 45 dB), can also be used in enclosed spaces if they are ventilated, and requires less maintenance.

Can I power household appliances and power tools?

Yes. VOLTAB GO® delivers pure sine wave alternating current, compatible with most household appliances and tools, respecting the rated power of 3.6 kW and the peak power (4.2 kW for 30 s).

Can I leave VOLTAB GO® always connected to the grid?

Yes, it will operate in AC Bypass mode. To preserve the battery, however, it is recommended to disconnect it if it is not used for long periods, or to keep the charge between 40% and 60% during storage.

12. Contacts

Manufacturer

Reefilla S.r.l. (Owner of the VOLTAB brand)

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Email: support@voltage.energy

Website: <https://voltage.energy>

For any question, information, installation support or need for clarification, contact VOLTAB via the mailbox support@voltage.energy.



*Every VOLTAB is designed, manufactured and assembled in Turin
with passion and energy.*

