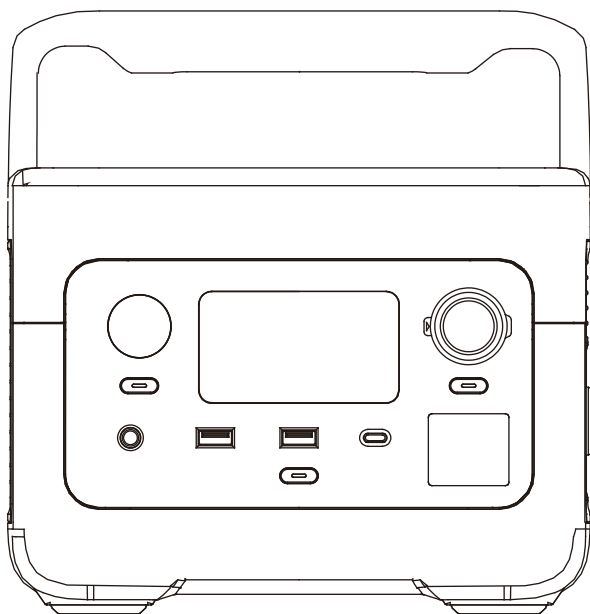


POWER STATION

Model: DPS300LQ-C-WC



Caution

Before using our power station, please read this manual carefully to understand the proper use of your unit. Keep this manual handy.

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Explanation of the symbols on the product

Symbols are used in this manual to draw your attention to potential hazards. The safety symbols and the accompanying explanations must be fully understood. The warnings themselves will not rectify a hazard and cannot replace proper accident prevention measures.

	Before commissioning, read and observe the operating manual and safety instructions!		Warning against UV radiation.
	Do not use the product in wet conditions! Protect from moisture!		The battery charger is only suitable for use indoors.
	Observe warnings and safety instructions!		Mains power unit corresponds to the RoHS guideline.
	Do not throw old equipment away with household waste!		Connection identification.
	Do not throw Li-ion rechargeable batteries away with household waste!	 Attention!	We have marked points in this operating manual that impact your safety with this symbol.

Introduction

Dear Customer,

We hope your new product brings you much enjoyment and success.

Note:

In accordance with the applicable product liability laws, the manufacturer of this product assumes no liability for damage to the product or caused by the product arising from:

- Improper handling
- Failure to comply with the operating instructions
- Repairs carried out by third parties, unauthorised specialists.
- Installing and replacing nonoriginal spare parts
- Application other than specified
- Failure of the electrical system in the event of the electrical regulations and VDE provisions 0100, DIN 57113 / VDE0113 not being observed

Note:

Read through the complete text in the operating manual before installing and commissioning the device. This operating manual should help you to familiarise yourself with your product and to use it for its intended purpose.

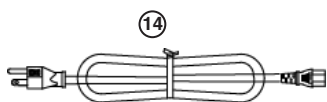
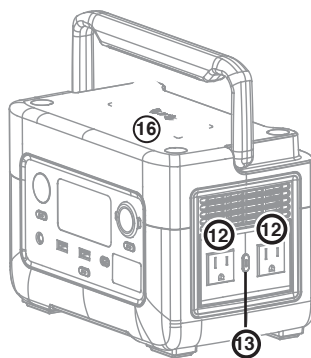
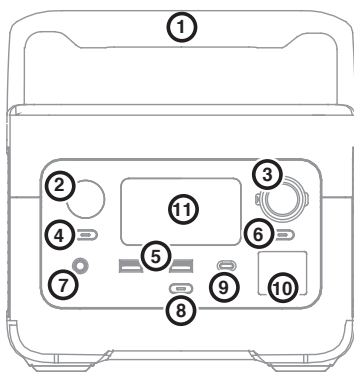
The operating manual includes important instructions for the safe, proper and economic operation of the product, for avoiding danger, for minimising repair costs and downtimes and for increasing the reliability and extending the service life of the product.

In addition to the safety instructions in this operating manual, you must also observe the regulations applicable to the operation of the product in your country. Keep the operating manual package with the power tool at all times and store it in a plastic cover to protect it from dirt and moisture. They must be read and carefully observed by all operating personnel before starting the work.

The product may only be used by personnel who have been trained to use it and who have been instructed with respect to the associated hazards. The required minimum age must be observed.

In addition to the safety instructions in this operating manual and the separate regulations of your country, the generally recognised technical rules relating to the operation of such machines must also be observed. We accept no liability for accidents or damage that occur due to a failure to observe this manual and the safety instructions.

Product description



1. Transport handle

2. LED

3. Vehicle output

4. LED ON/OFF Switch

5. USB-A 5V / 2.4A output

6. DC button with operating display

7. DC charging interface

8. On/off switch with operating display

9. USB-C output

10. AC charging interface

11. LCD display

12. 120V AC output

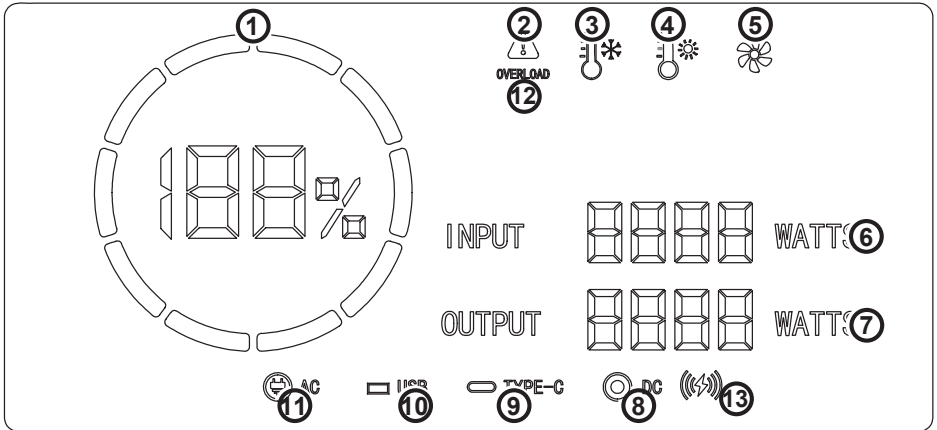
13. AC button with operating display

14. AC power cable

15. Vehicle charge cable

16. Wireless charging

LCD display



- | | | |
|----------------------------|-----------------------------------|----------------------------|
| 1. Battery level | 2. Alarm Icon | 3. Cold protection warning |
| 4. Heat protection warning | 5. Fan | 6. Charging power |
| 7. Output power | 8. DC (DC = direct current) | 9. Type-C |
| 10. USB-A | 11. AC (AC = alternating current) | 12. Overload Alarm Icon |
| 13. Wireless Charging | | |

Proper use

The Power station is designed to charge rechargeable batteries or operate electronic products that do not exceed a max. power of 300 W.

The product may only be used in the intended manner. Any use beyond this is improper. The user/operator, not the manufacturer, is responsible for damages or injuries of any type resulting from this.

An element of the intended use is also the observance of the safety instructions, as well as the assembly instructions and operating information in the operating manual. Persons who operate and maintain the machine must be familiar with it and must be informed about potential hazards.

In addition, the applicable accident prevention regulations must be strictly observed. Other general occupational health and safety-related rules and regulations must be observed.

The liability of the manufacturer and resulting damage are excluded in the event of modifications of the product.

The product may only be operated with original parts and original accessories from the manufacturer. The safety, operating and maintenance specifications of the manufacturer, as well as the dimensions specified in the technical data, must be observed.

Please note that our products were not designed with the intention of use for commercial or industrial purposes. We assume no guarantee if the product is used in commercial or industrial applications, or for equivalent work.

Safety instructions

DANGER

A failure to observe these instructions poses an extreme danger of death or the risk of life-threatening injuries.

NOTE

Personal injury or property damage can result from incorrect operation.

General safety instructions

DANGER

- Please do not disassemble, repair or transform, which may cause electric shock, overheating, fire and other hazards.
- Do not place the product near the source of fire or expose it to fire or overheating as this could result in fire, burns, and other hazards.
- The equipment or accessory that are connected to the USB shall comply with the standard EN62368-1.

-
- This product cannot be charged and used in dew, bathhouse, rain and other wet places; do not use water to clean the product, it will cause electric shock, overheating, fire and other hazards.
 - Do not touch this product or connector plug when your hands are wet. It may cause electric shock hazards.
 - Do not use metal to contact AC output interface. It may cause electric shock, overheating, fire and other hazards.
 - Please do not dispose of the product in general waste disposal. Electric shock, overheating and fire may occur in the garbage collection truck or in the garbage collection truck.
 - Do not use AC connections other than those specified. It may cause electric shock, overheating, fire and so on.
 - Please check the rated specifications of the connection interface or the connection product and do not exceed the specifications. It may cause electric shock, overheating, fire and so on.
 - Please do not have a strong impact on the product such as a drop or a hammer strike. This can result in an electric shock, overheating, fire or damage to the product.
 - Do not place, store and use the product at locations where it can fall down or drop (e.g. on high shelves). This can result in an electric shock, overheating, fire or damage to the product.
 - Do not move the product, while it is charging or in use. Overheating, fire, electric shock or damage can be caused to the product due to vibrations or impacts while moving.

⚠ Warning!

- Please keep the place clean for use and storage. Powder or small metal contact terminal may cause short circuit, accidents such as smoke or fire.
- Make sure to check the product before use. In the case of anomalies such as breakages, cracks, leaks, overheating or breakage of the AC power line, please stop using the product immediately.
- Do not let children use this product or it may cause accidents or injuries.
- Do not use if a connector cannot be fully inserted due to a loose or deformed interface. Otherwise, electric shocks, overheating and fire can be caused.
- Please do not use it on the beach or in dusty places. Otherwise it may cause smoke or fire.
- Please do not use and keep in the car, trunk, loading table or high temperature place under direct sunlight. Otherwise, it may cause product failure or cause overheating.
- If the liquid within the product adheres to the skin or clothing, please wash with water immediately. Otherwise may cause the skin injury and so on. Wash the liquid out of the eyes. After washing with clean water, please see a doctor immediately. It may cause the risk of blindness.
- In the event of a thunderstorm or lightning strike, pull the power cord out of the socket while charging. Overload can lead to over overheating, fire, and other accidents.
- Please charge the product within the specified voltage range (120V alternating current). Otherwise, overheating, fire, and other accidents may result.
- Please do not place the product upside down or on its side when using and storing it, otherwise it may cause leakage, overheating, fire and other hazards.

Note

- Stop using the product immediately if any abnormalities appear such as rust, unusual smell, overheating, etc.
- When transporting the product by a car, etc., please fix it so that it cannot be moved. Otherwise, the product may be damaged, resulting in electric shock, overheating, fire, etc.
- Do not allow this product or the power cord to come into contact with water or other liquids. This may lead to short circuits, overheating, fire, etc.
- Charge, use and store this product at temperatures between 0 and 40°C, otherwise loss of power or overheating may occur.
- In the event of an accidental drop or impact, the housing could be damaged by electric shock, overheating, fire, etc. Please stop using the product immediately. To avoid accidents, immediately contact the installation and maintenance personnel responsible on-site.
- Read through the operating instructions completely before connecting the electrical products. Operating errors can lead to accidents or injuries.
- Before connecting electrical products, ensure that electrical products are switched off. A sudden start of electrical products can result in accidents or injuries.
- Make sure to turn off the main switch during storage to avoid unnecessarily discharging the battery and avoiding electric shock.

ATTENTION!

This power tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain circumstances. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the machine.

Residual risks

The product has been built according to state-of-the-art and the recognised technical safety rules. However, individual residual risks can arise during operation.

- Health hazard due to electrical power, with the use of improper electrical connection cables.
- Furthermore, despite all precautions having been met, some unobvious residual risks may still remain.
- Residual risks can be minimised if the "Safety Instructions" and the "Intended Use" together with the operating manual as a whole are observed.
- Avoid accidental start-up of the machine: The operating button may not be pressed when inserting the plug into a socket. Use the tool that is recommended in this operating manual. This is how to ensure that your machine provides optimum performance.

Technical data

Model	DPS300LQ-C	
Power output for AC output	Rated voltage	120 V
	Rated power	300 W
	Frequency	60 Hz
Power output for USB-A output	Rated voltage	5 V
	Rated current	2.4 A
	Rated power	12 W
Power output for USB-C output	Fast charge	PD3.0
	Rated voltage	5V/3A; 9V/3A; 12V/3A; 15V/3A; 20V/3A
	Max. power	60 W
Power output for vehicle output	Rated voltage	10-14.4 V
	Rated power	120 W Max.
Power supply	Rated voltage	120V/AC
	Rated current	5A
	Rated power	250 W
	Frequency	60 Hz
Li-ion battery	Rated voltage	12.8 V
	Battery capacity	256 Wh
	Voltage	10- 14.6 V
Working conditions	Air humidity	10% - 65%
	Operating temperature	-10°C to 40°C
General	Protection category	IP 20
	Protection class	I
Wireless charging output	Max.15W	

Unpacking

- Open the packaging and carefully remove the product.
- Remove the packaging material, as well as the packaging and transport safety devices (if present).
- Check whether the scope of delivery is complete.
- Check the product and accessory parts for transport damage. In the event of complaints against the carrier must be informed immediately. Later claims will not be recognised.
- If possible, keep the packaging until the expiry of the warranty period.
- Familiarise yourself with the product by means of the operating manual before using for the first time.
- Please use only original accessories and replacement parts.
- When ordering please provide our article number as well as type and year of manufacture for the product.

⚠ ATTENTION!

The product and the packaging material are not children's toys! Do not let children play with plastic bags, films or small parts! There is a danger of choking or suffocating!

Charging

⚠ NOTE: The product is not fully charged when delivered. We recommend fully charging the product before initial use.

While charging, the ring symbol on the LCD display is in a dynamic state. After fully charging the battery, the display symbol is in the static state.

⚠ Note: Please make sure that the connected electrical products can work properly before using this product.

⚠ Note: It is normal for the product to warm up while charging. Regular discharging and charging increases the service life.

⚠ Note: Ensure that the cabling is properly inserted. Otherwise the contact terminals could melt or catch fire at high temperature.

⚠ Note: Charge the product at an ambient temperature of 0 to 40°C.

Charging with the mains power unit

Always use the mains power unit supplied with the product.

- Press the ON/OFF switch with operating indicator until it lights up green. The LCD display is visible.
- Connect the input plug of the AC power cable to a wall outlet, and the other end is connected to the AC charging input port of the product.

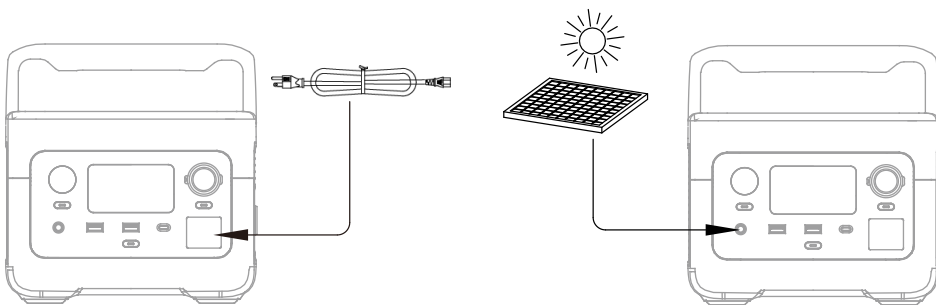
-
- You can read the charge status on the LCD display.
 - When the Power station is fully charged, the charging process is ended automatically.
 - As soon as the Power station is fully charged, switch the product off and disconnect the mains power unit from the power connection.

Charging with a solar panel (not included in the scope of delivery)

- Press the ON/OFF switch with operating indicator until it lights up green. The LCD display is visible.
- Place your solar panel where it can get as much direct sunlight as possible.
- Connect the solar panel to the charging socket.
- You can read the charge status on the LCD display.
- When the Power station is fully charged by the solar panel, the charging process is ended auto-matically.
- Disconnect the solar panel from the Power station and switch it off.

⚠ Note: You can link several solar panels to each other in order to shorten the charging time. The power station is able to absorb 60W of charging power. The off-load voltage of the solar panel should be between 12V and 28V. Otherwise, the overvoltage protection of the charging process can be triggered or cause damage. Note that the positive and negative poles cannot be reversed.

⚠ Note: The charging time is different when light intensity is different.



Charging via the Vehicle output (cigarette lighter) in a vehicle

Ensure that the vehicle engine is running.

- Connect the Power station and the socket (cigarette lighter) of your vehicle using the car charger cable.
- Charge the Power station after starting the vehicle. You can read the charge status on the LCD display.
- When the Power station is fully charged, the charging process is ended automatically.
- Disconnect the car charger cable from the Power station when fully charged.

Description of the various connections and the display

Connections

This product is equipped with 3 function outputs, namely the AC area, DC area and USB area.

- **USB-C output** : smart phones, tablets, etc.
- **USB 5V 2.4A output** : smartphone, MP3 player, digital camera, electronic reader, tablet, etc.
- **120V AC output** : Notebook, camera, display devices and other working devices for the alternating current supply with a max. power of 300 W.
- **Vehicle output** : Camping equipment with connection such as kettles, camping refrigerators, travel coffee machines, camping cool boxes.

⚠ **Note:** The direct current output (DC) is suitable for most products on the market. Some products with high current can trigger the overload protection .

⚠ **Note:** Devices with a power rating of more than 300 W must not be operated with this Power station.

Display

Battery level (1)	Battery capacity is displayed in segments,with each segment representing the following ranges (10-19%,20-29%,30-39%,40-49%,50-59%,60-69%,70-79%,80-89%,90-99%).When the capacity is between 0%-9%,all ten segments flash simultaneously.A full capacity of 100% is represented by a single segment.In addition,the charge status is displayed as an exact percentage.When power station is charging,the segments rotate by the percentage.
Alarm Icon (2)	When the device fails , the icon light, meanwhile the screen show s the failed code.
Cold protection warning (3)	A thermometer with a snowflake is displayed if the Power station becomes cold due to external too influences
Heat protection warning (4)	A thermometer with a sun is displayed if the Power station becomes too hot due to external or technical influences
Fan (5)	The fan symbol switches on for cooling after some time in AC mode.
Charging power (6)	The input charging power is indicated by "INPUT".
Output power (7)	The total output power is indicated by "OUTPUT".
DC (8)	A socket symbol and the DC inscription indicate that the DC outputs and the Vehicle output are active.
Type-C (9)	A Type-C symbol and the Type-C inscription indicate that the Type-C output is active.
USB-A (10)	A USB-A symbol and the USB inscription indicate that the USB-A outputs are active.
AC (11)	The AC inscription and a plug symbol indicate that the 120V output is active.
Overload Alarm Icon (12)	In AC mode, once the rated power is exceeded for too long or the peak power is exceeded, a warning sign with "overload" will appear.

Start up

⚠ **Note:** If certain connections are not used, switch them off to save power. To do this, press the DC button with operating indicator or AC button with operating indicator.

ATTENTION: When using the respective consumer, select the appropriate output depending on the required type of current for the consumer to be operated.

Switching the product on and off

Switching on:

1. Press the ON/OFF switch with operating indicator until the operating indicator lights up green.
2. The LCD display is visible.

Switching off:

1. Keep the on/off switch with operating display pressed for a few seconds.
2. The operating display and the LCD display go out.

⚠ Note: The LCD display goes out automatically after a certain amount of time without operation. Press the ON/OFF switch with operating indicator briefly to switch the LCD display on again.

⚠ Note: If the DC/AC/LED light is not turned on, the product is shut down automatically after 120 minutes to save power.

⚠ Note: You can switch the display lighting on or off with a short press of the ON/OFF switch with operating indicator.

⚠ Note: Always remember to turn off the product when not in use. If you do not use the product for a long time, it is recommended to charge more than 80% in 3 months.

Supplying the device with direct current

Press the DC button with operating indicator to supply the products with direct current.

1. Insert a device into the corresponding output.
2. With the product switched on, press the DC button with operating indicator to switch , the Vehicle accessory power output and the USB connections.
3. The corresponding operating indicator lights up and the display symbols for USB are displayed on the LCD display .
4. The corresponding output can now be used.
5. Press the DC button with operating indicator again to switch off , the Vehicle accessory power output and the USB connections .
6. The corresponding operating indicator goes out and the display symbols for USB are no longer displayed on the LCD display .

Supplying the device with alternating current

Press the AC button with operating display to supply the products with alternating current.

1. Insert a device into the corresponding output.
2. With the product switched on, press the AC button with operating indicator to switch on the AC outputs.
3. The corresponding operating indicator lights up green and the display symbol for AC is displayed on the LCD display .
4. The fan also switches on when the temperature rises and the corresponding display symbol is displayed on the LCD display.

-
5. The output can now be used.
 6. Press the AC button with operating indicator again to switch off the AC outputs.
 7. The operating indicator goes out and the display symbol for AC is no longer displayed on the LCD display. The display symbol of the fan disappears as soon as the device has cooled down again.

⚠ **Note:** You can read the total consumption of your devices on the LCD display. The value indicates how much power your products draw from the power station.

LED

ATTENTION! Don't look directly into the light! Never point the light beam directly into the eyes of people or animals! Danger of injury.

1. Press the LED button with the product switched on.
2. Press the LED button once more and the LED changes to the SOS function.
3. Press the LED button again to switch off the LED.

Overload protection

The power station is equipped with overload protection.

1. Disconnect the device from the product which triggers the overload protection.
2. Switch the product off and on again to acknowledge the error.
3. Then the product can be used as usual.

⚠ **Note:** If possible, keep your portable power station charge more than 80%. Otherwise it can negatively affect the service life of the battery.

Electrical connection

The connection complies with the applicable VDE and DIN provisions. The customer's mains connection as well as the extension cable used must also comply with these regulations.

Important information

In the event of overloading, the product switches itself off. After a cooldown period (time varies), the product can be switched back on again.

Damaged electrical connection cable.

The insulation on electrical connection cables is often damaged.

This may have the following causes:

- Pressure points, where connection cables are passed through windows or doors.
- Kinks where the connection cable has been improperly fastened or routed.
- Places where the connection cables have been cut due to being run over.
- Insulation damage due to being ripped out of the wall outlet.
- Cracks due to the insulation aging.

Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.

Check the electrical connection cables for damage regularly. Ensure that the connection cables are disconnected from electrical power when checking for damage. Electrical connection cables must comply with the applicable VDE and DIN provisions. The printing of the type designation on the connection cable is mandatory.

Cleaning

Attention!

Switch the product off before performing any cleaning work.

We recommend that you clean the product directly after every use.

Wipe dust off the product from time to time with a dry cloth. Do not use any cleaning products or solvents; they could attack the plastic parts of the product. Make sure that no water can penetrate the interior of the product.

Transport

⚠ **Note:** When transporting, make sure that the product is switched off and no devices are connected. For a short transport distance, carry the product by the transport handle. If transporting the product with a car or similar, please ensure that the product does not move during transport. Otherwise, the product can be damaged. This can lead to electric shock, overheating, fire etc.

Storage

Store the product and its accessories in a dark, dry and frost-free place that is inaccessible to children. The optimum storage temperature lies between $25\text{ °C} \pm 2\text{ °C}$. Store the product in its original packaging. Cover the product to protect it from dust and moisture. Store the operating manual with the product.

Do not store the product in the car, boot, loading platform or in other hot locations in direct sunlight. It may cause the product failure, degradation or thermal problem.

Please fully charge the product before storage. To prevent a deep discharge, the product must be charged in 3 months even if not in use.

Maintenance

There are no parts on the product that require maintenance. Have tasks that are not described in these operating instructions carried out by our service center.

Repairs

Repair work on the electrical equipment may only be carried out by electricians.

FCC Statement

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:

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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

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 and your body.

ISED Statement

English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.

L'exploitation est soumise aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 6.6 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 6.6 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

RF Exposure Statement

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

Disposal and recycling

Notes on packaging



The packaging materials are recyclable. Please dispose of packaging in an environmentally friendly manner.

Notes on the electrical and electronic equipment act [ElektroG]



Electrical and electronic appliances do not belong in household waste, but should be collected and disposed of separately.

- Used batteries or rechargeable batteries that are not installed permanently in the old appliance must be removed non-destructively before disposal. Their disposal is regulated by the Battery act.
- Owners or users of electrical and electronic devices are legally obliged to return them after use.
- The end user is responsible for deleting their personal data from the old device being disposed of!
- The symbol of the crossed-out dustbin means that waste electrical and electronic equipment must not be disposed of with household waste.
- Waste electrical and electronic equipment can be handed in free of charge at the following places:
 - Public disposal or collection points (e.g. municipal works yards)
 - Points of sale of electrical appliances (stationary and online), provided that dealers are obliged to take them back or offer to do so voluntarily.
 - Up to three waste electrical devices per type of device, with an edge length of no more than 25 centimetres, can be returned free of charge to the manufacturer without prior purchase of a new device from the manufacturer or taken to another authorised collection point in your vicinity.
 - For additional takeback conditions of the manufacturers and distributors, please contact the respective customer service.
- In the case of delivery of a new electrical device by the manufacturer to a private household, the latter may arrange for the free collection of the old electrical device upon request from the enduser. Get in contact with the manufacturer's customer service.
- These statements only apply to devices installed and sold in the countries of the European Union and which are subject to the European Directive 2012/19/EU. Different provisions may apply to the disposal of electrical and electronic appliances in countries outside the European Union.

Information on the Battery Act [BattG]



Used batteries and rechargeable batteries do not belong in household waste, but should be collected and disposed of separately.

- For safe removal of batteries or rechargeable batteries from the electrical device and for information on their type or chemical system, please refer to the additional information in the operating or assembly instructions.
- Owners or users of batteries and rechargeable batteries are legally obliged to return them after use. The return is limited to household quantities.
- Used batteries may contain pollutants or heavy metals that can harm the environment or human health. Recycling used batteries and using the resources they contain helps to protect these two important issues.
- The symbol of the crossed-out dustbin means that batteries and rechargeable batteries must not be disposed of with household waste.
- If the signs Hg, Cd or Pb are also located below the dustbin symbol, this stands for the following:
 - Hg: Battery contains more than 0.0005 % mercury
 - Cd: Battery contains more than 0.002 % cadmium
 - Pb: Battery contains more than 0.004 % lead
- Rechargeable batteries and batteries can be returned free of charge to the following places:
 - Public disposal or collection points (e.g. municipal works yards)
 - Sales points for batteries and rechargeable batteries
 - Takeback points of the common takeback system for old device batteries
 - Takeback point of the manufacturer (if not a member of the common take-back system)
- These statements are only valid for rechargeable batteries and batteries sold in the countries of the European Union and subject to the European Directive 2006/66/EC. Different provisions can apply to the disposal of rechargeable batteries and batteries in countries outside the European Union.

Removing the battery before disposing of the device

- The integrated battery must be removed and disposed of separately in an environmentally friendly manner before disposing of the device.
- Mask off the contacts and package the battery so that it cannot move in the packaging. Please also observe any further national regulations.

Troubleshooting

The following table shows fault symptoms and describes remedial measures in the event of your product failing to work properly. If you cannot localise and rectify the problem with this, please contact your service workshop.

Fault	Possible cause	Remedy
Device does not work or not as expected	Over heating protection	Check the ambient temperature. Output is restarted when the generator cools down.
	Battery over-current protection	Disconnect the product from the power connection and carry out commissioning again.
	Battery charging protection	Contact the customer service department.
	Protection at low discharge temperature	Check the ambient temperature to see if it is lower than -10°C.
	Battery low voltage protection	Charge the product in good time, restart after it has fully charged.
	Power inverter over-current protection	Check if the AC output is overloaded or short-circuited.
	Power inverter overload protection	Check if the AC output is overloaded.
	Power inverter short circuit protection	Check if the AC output is overloaded or short-circuited.
	Protection against over voltage while charging	Check whether the input voltage exceeds the maximum input voltage.
	Battery over overheating protection	Check if the ambient temperature is higher than 40°C. Allow the product to cool down.

Fault code	Fault code description	Failure reasons (All possible reasons)
F001	Abnormal communication between the main control panel and power board	1. The communication harness between the main control panel and the power board falls off. 2. The wiring harness of the power supply end of the power board falls off. 3. Power board communication circuit is faulty. 4. Main control panel communication circuit is faulty.
F002	Abnormal communication between the main control panel and BMS	1. The communication harness between the main control panel and BMS board falls off. 2. BMS board communication circuit is faulty. 3. Main control panel communication circuit is faulty.
F003	Abnormal Fan Power Supply	Short Circuit in Fan Power Terminal
F004	Power board detects overheating	1. The fan is not turning or stuck. 2. Power board circuit is faulty.
F005	Power board detects output short circuit	1. AC output short circuit. 2. Power board circuit is faulty.
F006	Current of AC inductor is high	1. Power board circuit is faulty.
F007	Abnormal output voltage identified by the power board	1. Power board circuit is faulty
F009	Power Board Detects Input Undervoltage	1. Mains Input Voltage Exceeds Safe Operating Range. 2. Mains Bypass Current or Power overload. 3. Mains Input Frequency Mismatch. 4. Battery Pack Charging Current overlimit
F011	Power board detects output overload	1. The circuit of the power board is faulty.
F015	main control panel detects cigarette lighter output overload	1. Main control panel circuit is faulty
F027	BMS Hardware Fault	1. BMS Charging Protection is faulty.