

# KODAK Portable Power Station PPS100



# User Manual

Please read this manual carefully before operating the product.  
Please keep this manual with you for further reference.

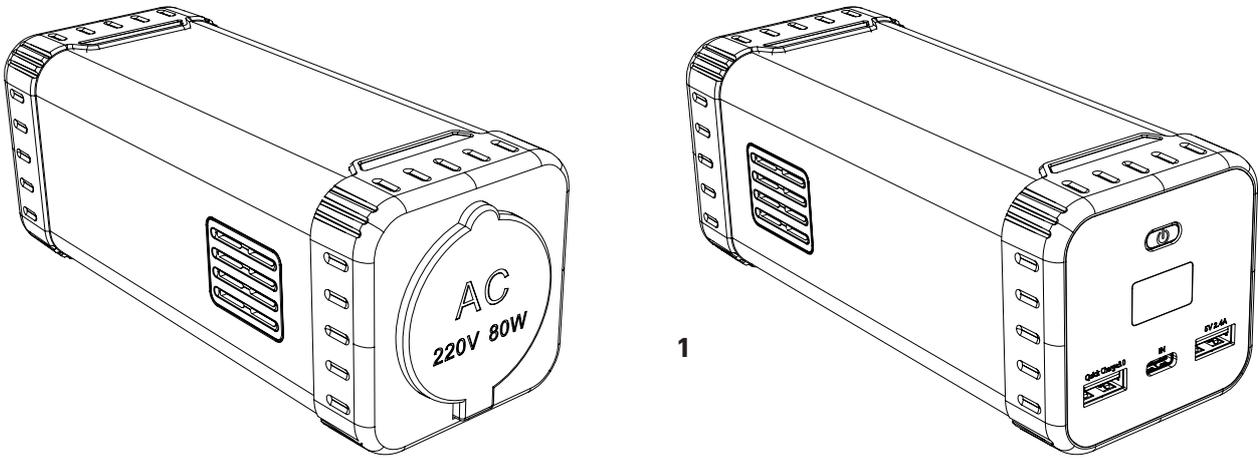
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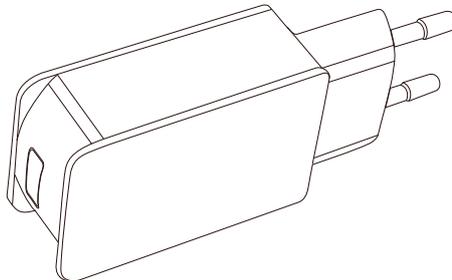
## 1. SET INCLUDES

No.	Item	Quantity
1	KODAK Portable Power Station PPS100	1
2	USB to Type-C cable	1
3	USB charger	1
4	Instruction manual	1

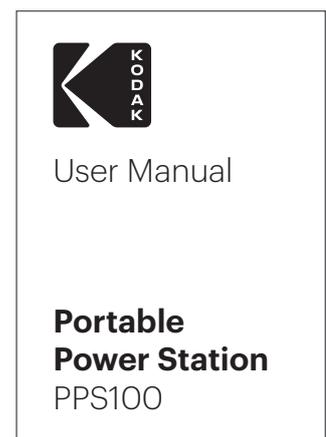
**Remark:** We strongly recommend using standard car power inverter for a better user experience.



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## 2. INTRODUCTION

Congratulations on purchasing KODAK Portable Power Station PPS100 a plug-and-play power supply for outdoor use. With 84 watt-hours of stored energy, you can keep appliances, or electronic devices running.

The KODAK PPS100 Portable Power Station is designed to keep you powered up outdoor in your RV during emergencies or power outages.

### **Note the following points while reading through this instruction manual:**

- This manual was prepared with care and to the best of our knowledge. Contact us should you have any questions relating to the product.
- This manual may not be copied or duplicated, except for personal use.

### **Disclaimer**

- Our company cannot be held liable for damages caused by fire, earthquake, use by a third party, other accidents, intentional misconduct on the part of the customer, abuse or other abnormal conditions.
- Do not repair any damage to the AC plug or power supply on your own.
- The warranty covers all terms and conditions of the warranty. Contents that are not specified in the warranty terms and conditions are beyond our responsibility.
- Our company assumes no liability for damages caused by incorrect use or non-compliance with this instruction manual.
- This instruction manual, as well as other language versions can be downloaded as a PDF file on our website: [www.portable-power-stations.com](http://www.portable-power-stations.com).
- **Intended use:** The KODAK Portable Power Station PPS100 unit is intended as a power supply for electronic devices with a maximum power consumption of 100 W. Our product is not suitable to be used with equipment that relates to one's own personal safety or which relies heavily on electricity, such as medical devices, equipment for nuclear facilities, the manufacture of air and spacecraft, etc. We therefore assume no liability for accidents involving personal safety, fires or machine failures caused by using our product with the aforementioned devices.

## 2. SAFETY INSTRUCTIONS

Observe these instructions to ensure safe usage.

### Explanation of symbols

 This symbol together with <b>DANGER</b> means	Noncompliance may very likely lead to serious injury or death.
 This symbol together with <b>WARNING</b> means	Noncompliance may lead to serious injury or death.
 This symbol together with <b>CAUTION</b> means	Noncompliance may lead to injuries and/or property damage.
 This symbol together with <b>ATTENTION</b> means	Noncompliance may damage the unit.

- **Serious injuries** include blindness, burns, electric shock, fractures, poisoning, etc., which can lead to complications, hospitalization or permanent treatment.
- **Injuries** include burns, electric shock, etc., which do not lead to hospitalization or permanent treatment.
- **Property damage:** includes buildings, belongings and pets, etc.



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.

## DANGER



**Do NOT disassemble, repair or modify the unit or the battery.**

Doing so may result in electric shock, fire, etc.

**Do NOT place the unit close to or in a fire or expose it to heat. Keep out of direct sunlight.**

Doing so may result in fire or injuries.

**Do NOT charge, use or store the unit in a bathroom or in an area exposed to rain or moisture.**

Doing so may result in electric shock, fire, etc.

**Only use the output socket to power external devices. Never connect the output to mains power under any circumstances.**

Connecting to the mains may lead to electric shock, injuries or fire.

**Do NOT touch the unit or the plug-in points if your hands are wet.**

Doing so may result in electric shock.

**Do NOT connect any metallic objects to the AC input or output.**

Doing so may result in electric shock, fire, etc.

**Do NOT rub your eyes if fluid from inside the unit should get in your eyes.**

If this should occur, flush eyes with water and seek medical attention immediately.  
This can lead to blindness.

**Do NOT dispose the unit together with household waste.**

Follow the local law to dispose the unit.

**Do NOT use any inappropriate power cords.**

Doing so may result in electric shock, fire, etc.

**Do NOT operate the unit above the specified input voltage.**

Doing so may result in electric shock, fire, etc.

**Do NOT use the unit if it is not functioning correctly.**

Doing so may result in electric shock, fire, damage to the unit, etc.

**Do NOT move the unit if it is recharging or in use.**

Doing so may result in electric shock, damage to the unit or other injuries.

## WARNING



**Use and store the unit only in a clean and dry environment. Do not use and store in dusty and wet environment.**

Failure to do so may result in a short circuit, smoke or fire if metal dust or small metallic parts come in contact with the connections.

**Check the unit prior to every use. Do not use the unit if it is damaged, broken.**

If you notice that the unit has any damage or cracks, is broken, or has other abnormalities, do NOT continue to use the unit and contact your dealer or our customer service center.

**Do not use the unit if the power cord is damaged or broken.**

**Keep the unit away from children. Do NOT let children use the power supply unit.**

Doing so may result in an accident or injuries. This unit must not be used by children. The unit and its connection cables must be kept out of reach of children. Children must not play with the unit.

This unit may only be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are monitored or have been instructed in how to safely use the unit and understand the resulting risks.

**Keep this product away from pets.**

**Do NOT use or store the unit in an area or environment with high temperature.**

Doing so may cause the unit to deform or overheat.

**Should fluid from inside of the unit come in contact with your skin or clothing, wash the affected areas with tap water.**

Contact with the fluid may result in injuries.

**In a storm, unplug the power cord from the socket.**

A storm may result in an overcurrent coming from the socket, resulting in overheating, fire or other accidents.

**Do NOT charge the unit via power supply systems that operate outside of 100-240V.**

That may otherwise result in overheating, fire, etc.

**Do NOT place the unit on its side or upside down while in use or storage.**

Doing so may result in leakage or cause the unit to overheat leading to other accidents.

## CAUTION



If rust, peculiar odors, overheating or other abnormal circumstances are observed, stop using the unit immediately and contact the dealer or our customer service center.

**The unit complies with all legal requirements for transport of dangerous goods.**

The capacity of the lithium battery pack in the unit exceeds 80 Wh.

Based on international standards: If this unit is to be sent by airplane, it must be transported in accordance with IATA standard packaging. IATA instructions and labelling requirements and the relevant declarations must be completed.

**Make sure that the unit is properly secured when transporting it in a motor vehicle.**

Failure to do so may result in damage to the unit, electric shock, overheating, fire and other accidents.

**Only charge and use the unit within an ambient temperature of 0 to 40 °C (32-104 °F).**

Operating the unit above or below this temperature range may result in overheating or reduced performance.

**Switch the unit off immediately if it has accidentally fallen, was dropped or was exposed to vibrations.**

To prevent accidents, please contact the dealer or our customer service center to have the unit checked and repaired.

**Carefully read the instructions for the electric devices that you intend to connect to your power supply unit.**

**Make sure that the device you are connecting is switched off before you connect it.**

A device starting up suddenly may lead to accidents or injuries.

If the protective function is activated and the output of the device is switched off, disconnect the electric devices from the power output. Switch the unit off in case of non-use/storage in order to prevent electric shock and the battery from discharging unnecessarily, etc.

## 4. TRANSPORTATION

### 1. Carry the unit with both hands.



Keep the unit away from other objects when moving.



Take extra care to ensure that the unit is never allowed to fall to the ground.

### 2. Placing the unit on a stable surface.



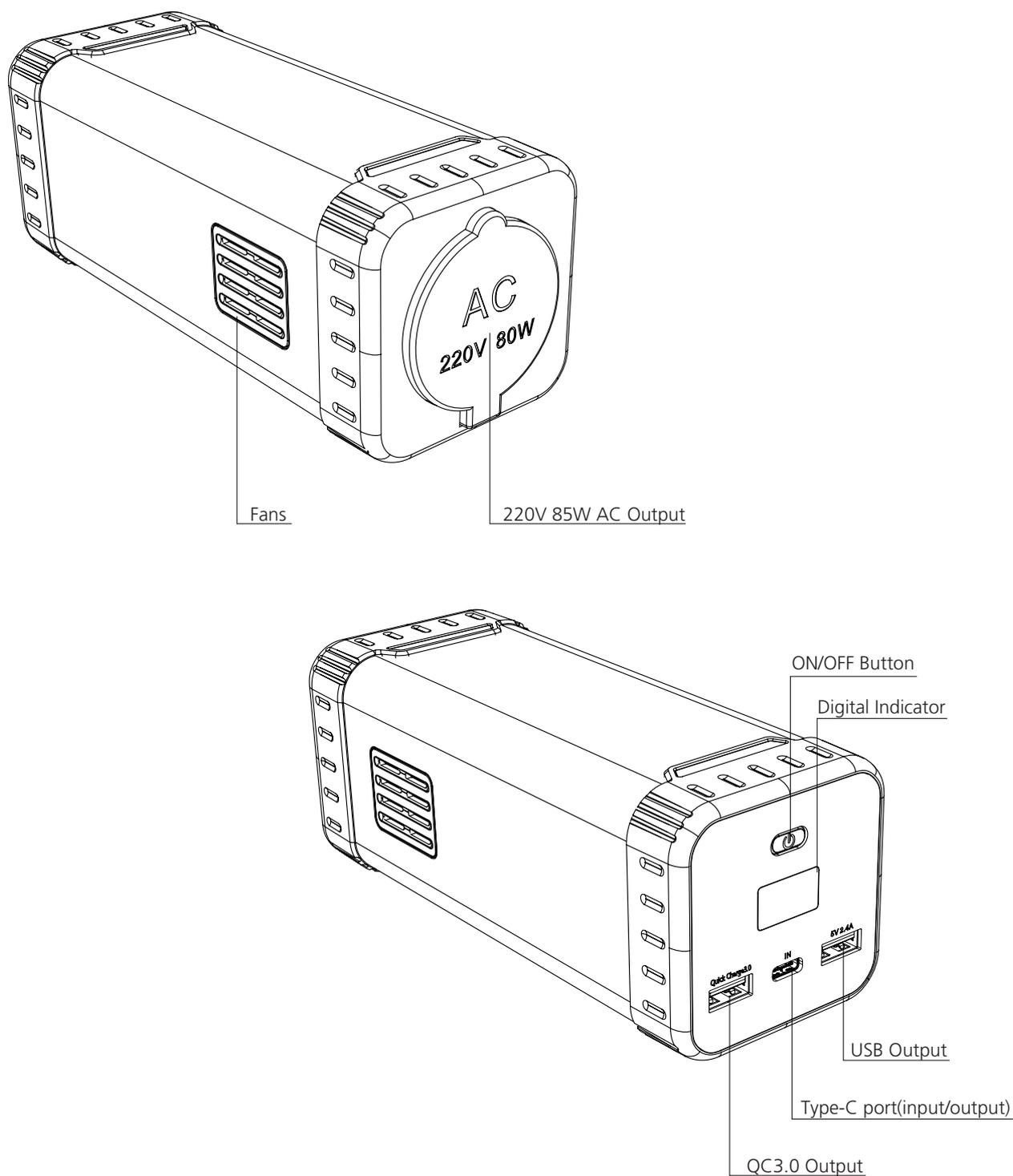
Place the unit on a stable surface.  
By doing so, it is easier to read the indicators.

### 3. Transporting the device.



The unit should not be subjected to any impact or vibrations.  
Otherwise there is a risk of fire.  
Keep the unit's original packaging and use it when you need to transport the unit.

## 5. GET TO KNOW YOUR KODAK PPS100



### REMARKS

1. Press the button to turn on the digital indicator.
2. Press and hold the button for 2 seconds to turn AC outlet ON/OFF.
3. DC ports charge the devices automatically.
4. We strongly recommend using standard car power inverter for a better user experience.

## 6. CHARGING

Before use or storage, plug your KODAK PPS100 into the wall until it is fully charged. If the display shows less than 20% capacity, plug it into a power source, like an AC outlet or a solar panel as soon as possible.



Only charge the unit when the ambient temperature is between 0 and +40 °C (32-104 °F).

### 6.1. WHAT IT CAN POWER



5W Light  
~13 hrs



iPhone 7  
~7 recharges



Gaming console  
~3 recharges

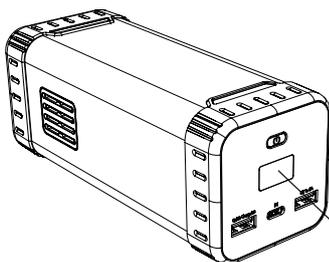


12" Macbook  
~1.2 recharges

...and many more

### 6.2. DIGITAL INDICATOR

The LCD Display indicates the percentage of total charge remaining in your KODAK PPS100.



Digital indicator



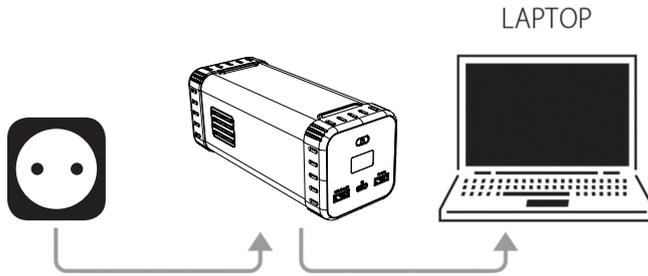
**NOTE**



Charging time may vary depending on the ambient temperature involving the solar charger.  
End the charging process by switching off the unit and pulling the plug out of the socket.

## 6.3. CHARGING VIA MAINS POWER SUPPLY

Use the USB wall charger provided and plug your KODAK PPS100 into any outlet. When the digital indicators displays 100, the KODAK PPS100 is fully charged. This takes about 7 hours.



## 7. TECHNICAL SPECIFICATIONS

### Charge times

Wall charger (15W)	7 hrs
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### Battery

Cell type	Lithium-ion
Pack capacity	84 Wh
Lifecycles	>300
Management system	Temperature control, Surge protection, Square wave, Short circuit protection

### Ports

Type-C Input / Output	5V / 3A
Qualcomm® Quick Charge™ 3.0 Output	5V / 3A, 15W   9V / 2A, 18W   12V / 1.5A, 18W
USB Output	5V / 2.4A
AC Socket	220V 80W (100W max.)

### General

Weight	700g (1.54 lbs)
Operating temperature	0 - 40 °C (32 - 104 °F)
Certificates	CE, ETL, FCC, ROHS, UN38.3
Warranty	24 months

## 8. USING THE KODAK PPS100

### Track the remaining battery

Press the power button once to check the battery level from LCD display. To ensure you never run out of power, please recharge KODAK PPS100 before use or storage. Highly recommend to recharge KODAK PPS100 at least once every 3 month.

### Recharge your KODAK PPS100

Use the AC adapter and USB C cable provided to recharge your KODAK PPS100.

### Charge your devices

Charge your mobile phone, tablet, console etc. from the USB port.  
(Qualcomm® Quick Charge™ 3.0 just for compatible devices)

### How to use AC outlet

- Press and hold the button for 2 seconds to activate the AC socket.
- Plug your AC appliance into the KODAK PPS100's AC socket to power your the laptop, outdoor lights, etc.
- Press and hold the button for 2 seconds to turn off AC power.

### What to power from KODAK PPS100

- USB: Smart Phones, Tablets, E-Readers, Digital Cameras, MP3-Players, etc.
- AC: Laptops, Small Appliances etc.
- **REMARKS:** The power consumption of your device will determine the length of time that your KODAK PPS100 will be able to supply it with power.

### How to use KODAK PPS100

1. Press the button to turn on the digital indicator
2. Press and hold the button for 2 seconds to turn AC outlet ON/OFF
3. DC ports charge the devices automatically

### Best-use strategy

- When recharging devices with KODAK PPS100, you should take note of the digital indicator.
- If you plug in devices that have a high power requirement, the charge level of KODAK PPS100 can drop quickly and you will not be able to extract the entire 84Wh of energy.
- On the other hand, if you're charging devices that draw power more slowly (tablet or smartphone), you will be able to extract close to the full 84Wh from KODAK PPS100. If you're experiencing shorter run times, you can check the device's power requirement.

### Appropriate temperature usage

- **Charge protection:** KODAK PPS100 can charge your device when the ambient temperature is between 0 - 40°C. Outside this temperature range, the system automatically stops charging but will restart once the temperature is back inside the acceptable range.
- **Discharge protection:** KODAK PPS100 can power your devices when the ambient temperature is between 0 - 40 °C. Outside this temperature range the system automatically stops charging your device but will restart once the temperature is back inside the acceptable range.



Make sure that the electronic device you are powering works properly prior to use. The max. power consumption for electronic devices is 100W. Due to the different types of electric devices, it is possible that they may not operate even if their power consumption is less than 100W.

## 9. TROUBLESHOOTING

### If your devices are not recharging as they should using KODAK PPS100 follow these steps:

1. Ensure the device has been switched on and the LED is showing the percentage of remaining charge.
2. Check the Battery Display. If it is at 20% or below, recharge your KODAK PPS100.
3. Verify your device is suitable for use with the KODAK PPS100.
  - a. All KODAK PPS100 output ports have their own max. power. Check the KODAK PPS100's technical specifications to ensure your device is compatible.
  - b. Some devices with rechargeable batteries, like laptops and tablets, may draw more power when in use. In these cases, power down your device and recharge it.

### What should I do if the unit gets wet?

Immediately turn off the unit and wait until you are certain that it is completely dry before turning it back on. If you are unsure about when it is safe to turn it back on, please contact after sales service.

## 10. FREQUENTLY ASKED QUESTIONS (FAQ)

### 1. What type of battery is in my KODAK PPS100?

KODAK PPS100 contains a 84Wh lithium ion battery pack. Lithium ion batteries are much smaller and lighter than normal lead-acid batteries and also can be cycled many more times.

### 2. How do I know if my KODAK PPS100 is charged?

To check the charge level of your KODAK PPS100, refer to the digital indicator display. The number you see on the display indicates the percentage of total charge remaining. Press the power button to view this display. KODAK PPS100 can be used until it is empty but we recommend to recharge when the level is below 20%.

### 3. Can I charge the KODAK PPS100 while supplying power at the same time?

Yes and no. The AC output supports simultaneous charging and discharging. Please note, however, that this only makes sense with a remaining battery capacity of more than 10%. The USB ports will not work while the device is charging.

### 4. Can I take my KODAK PPS100 on a plane?

Yes, it is possible to carry the KODAK PPS100 in your hand luggage. But please always check the individual restrictions of your airline. However, keeping the KODAK PPS100 in the checked baggage is not permitted for safety reasons as it contains lithium ion batteries.



The inverter output is a modified sine wave (square wave).  
**It is not suitable for use with a device with an electric motor.**

## 11. STORAGE AND DOWNTIME MAINTENANCE

### 1. Charging to maximum capacity

Fully charge the power supply unit prior to long-term storage. Charge the power supply unit at least once every three months and store the power supply unit only in a dry and dust-free environment which is out of reach of children. Suitable storage temperature: -20 to 40°C (-4 -104 °F). Keep out of direct sunlight. Make sure that the unit rests on a stable surface.

### 2. System shutdown

If the system shuts down automatically because of lower battery capacity, please recharge it.

### 3. Cleaning

Wipe away any dirt using a damp cloth.



Gasoline, thinner, kerosene, petroleum, etc. have the characteristics of solvents.  
**Do not use.**

### 4. Failure

Failure to maintain your KODAK PPS100 by following these steps can result in battery damage which will void the product warranty.

## 12. SERVICE LIFE OF LITHIUM ION BATTERIES

**Charge, supply current between 0 and 40°C (32 -104 °F). Store between -20 and 40°C (-4 -104 °F).**  
Using the battery at temperatures outside the lower and upper limits reduces the battery's running time.

**Do not connect a continuous load of more than 100 W.**

The unit's output stops automatically in case of overloading, since it reduces the running time of the battery.

**Do not continue to charge the battery after it has charged completely.**

Pay attention to the indicated capacity. Do not charge the battery once it has been fully charged or the charging process has been concluded. Otherwise the service life of the lithium battery may be reduced.

**Switch off the unit if it is not being used.**

Unnecessary power consumption also reduces the running time of the lithium battery.

**Fully charge the battery prior to placing it in storage.**

Fully charge the power supply unit prior to lengthy periods of non-use for storage and recharge the unit at least once a year. After prolonged storage, it may be necessary to charge and discharge the battery several times in order to reach full capacity.

## 13. DISPOSAL AND RECYCLING



**Li-ion**

### **Lithium ion battery**

As soon as the end of the battery's service life is reached, the entire lithium ion battery can be recycled. Do not open or disassemble the unit.



### **Electric device**

Old electric devices may not be disposed together with normal household waste. According to the directive 2012/19/EU, the device must be disposed of in a controlled manner at the end of its service life. The recyclable materials contained in the unit shall be sent to recycling to reduce the burden on the environment.

This unit contains lithium ion batteries. These are hazardous materials and are subject to specific transport and handling regulations. Lithium ion batteries may ignite or explode if handled incorrectly.

For the safe disposal of the unit, contact a collection point or your local municipality for more information and indicate that the unit contains lithium batteries.

### **Package**

The product package consists of recyclable materials. Dispose of these in an environmentally friendly manner and sort the materials in the provided collection systems.

## **REPAIR TERMS AND CONDITIONS**

1. In the case of device failure which can be attributed to poor workmanship, please take the original sales receipt with purchase date (invoice, etc.) to the retail store. In case of normal use, the power supply unit will be repaired or replaced free of charge within the two year warranty period. In addition to that, the customer must bear any shipping charges that may occur.
2. The repair is not free of charge in the following cases, even within the warranty period.
  - A warranty card or certificate or sales receipt with purchase date (invoice, etc.) is not presented.
  - The equipment failure was caused by improper use (including use that does not comply with the instructions set forth in the manual).
  - Defects were caused by improper repairs, modifications, disassembly, etc.
  - Equipment failure was caused by careless operation (dropping/falling/impact/contact with fluids/deposits - on the inside or outside of the machine) or improper maintenance (mildew, dust, etc.).
  - Damage was caused by use of unit for purposes other than intended (charged and recharged more than 300 times, etc.)
  - Equipment failure occurred due to external influences, such as power supply or other electric devices and/or damage during inspection or repair.
  - Faults that can be attributed to causes that are not cited above are beyond our scope of responsibility.
3. Note that we do not assume any liability for consequential damages (foreseeable damages, psychological damages, etc.).

## 14. WARRANTY AND CUSTOMER SERVICE

### Contact distributor for technical support/customer service

EUROPE [GBT GmbH]		
An Gut Nazareth 18A 52353 Düren Germany	Telephone: +49 (0) 2421 / 20 85 60	E-Mail: info@gbt-international.com

USA/Canada [Delta Millenium Inc.]		
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