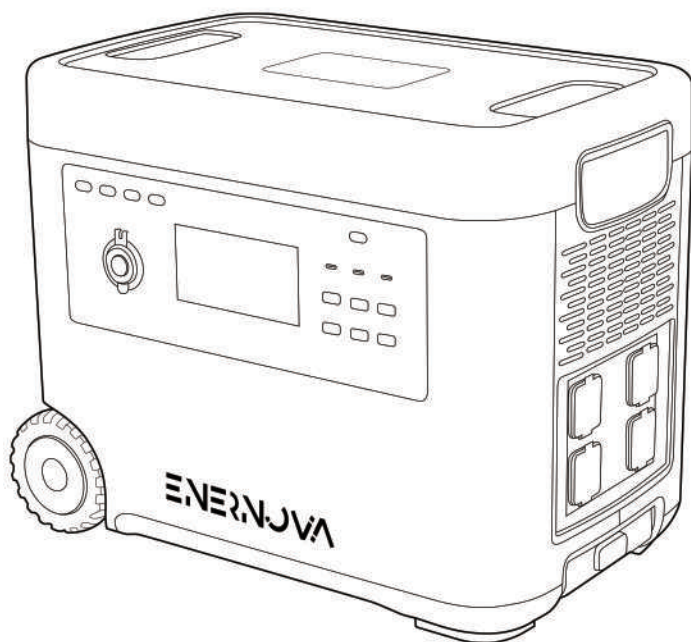


ENERJOVA



ETA-ULTRA PORTABLE
POWER STATION
(2160Wh 2000W)

User Manual

Charge first- Before using,
plug it into the power outlet until it is fully charged.

EN	English	01
IT	Italiano	18
ES	Español	19
DE	Deutsch	20
FR	Français	21

1.1 Disposal Guide

1. The product contains high voltage AC output, please do not put your hand or handheld metal conductor into the AC outlet.
2. Do not disassemble the product if you are not professionals because internal battery and circuit of the product have dangerous high energy which is able to cause electric shock, short circuit and other dangerous things to happen.
3. Do not put the product in high temperature environment (more than 50 degrees Celsius) or near the fire to avoid the product from explosion or catching fire.
4. The product is not a toy. Keep the product out of the reach of children.
5. Do not use it in a damp environment.
6. Please do not knock or hit the product.
7. It is strictly forbidden to disassemble the product.
8. It is strictly forbidden to use products with obvious damage.
9. All parts of the product are environmental friendly and recyclable, please recycle according to local regulations.

1.2 Usage

1. Please select the solar panel in accordance with the electrical parameters specified by the manufacturer. It is forbidden to charge with solar panels whose voltage is higher than 50V.
2. Please charge the battery within the temperature range of 0~45°C. Charging at too low temperature will shorten the cycle life of the battery.
3. For long term storage (more than 3 months), it should be stored in a low humidity environment without corrosive gas at -10~50°C in a semi-electric state.
4. If stored for more than 6 months, please charge and discharge the product 1-2 times every three month in order to extend the life of the battery.

5. In order to preserve the power of the product, please turn off the product in time after using so as to avoid running out of the battery power (the device will have no-load loss as long as it is turned on).
6. When the product runs out of power, please charge it in time.
7. If the product emits abnormalities such as odor and overheat during charging or storage, please stop charging immediately and place it in an open place for observation from a distance to confirm safety, and contact the manufacturer or distributor after it.
8. The product has a wireless charging function. If the wireless charging switch is turned on, the wireless charging function will be turned on. Please note that the charging part on the back of the phone cannot be made of metal (such as a bracelet). If there is metal, it will cause heat. Do not put metal objects or radio-sensitive items on the top of the power supply. Otherwise, it may cause abnormal heat or even damage!
9. This product is a power station, please select the corresponding model according to the electrical equipment. The use of this product with excessive power and load is prohibited.
10. When the short-circuit protection occurs after the product is connected to the device, if it is still protected after restarting, please do not restart it again. You should find the reason for the protection of the connected device, and then continue to use the product after troubleshooting.
11. This product is factory set according to the voltage standards of different countries. Please consult the dealer or check the product instruction manual before purchase and use.
12. The mesh holes on both sides of the power supply are heat dissipation holes, which are strictly prohibited to be blocked and a certain space should be reserved to ensure the heat dissipation effect.

CONTENTS

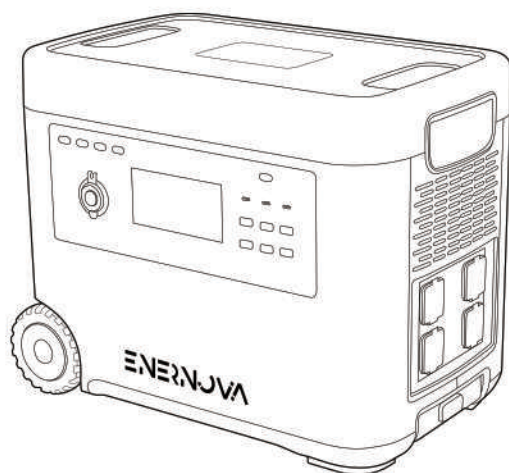
1. Package List	04
2. Technical Specification	05
3. Getting Started	06
3.1 Input & Output Ports	06
3.2 LCD Screen	06
3.3 Battery Cells	07
3.4 The Output Power of the Power Station	08
3.5 Power Supply Alarm Function	08
3.6 EPS and Bypass Function	09
3.7 Auto Power Off	09
3.8 Fan	09
3.9 Wireless Charging	10
4. Recharging	11
5. Troubleshooting	13
WARRANTY	17

1. Package List

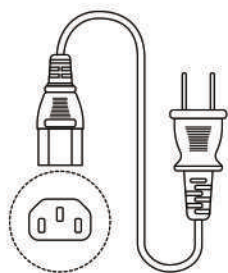
Please kindly check all accessories are complete

If any charger cables missing, please feel free to contact us at:

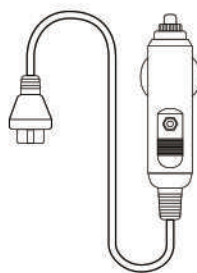
support@enervatech.com



ETA-ULTRA



AC Charger
Cable



Car Charger
Cable



User Manual

2. Technical Specification

General Specs

Net Weight	55.1lbs(25kg)
Dimensions	18.2in x 11.3in x 14.4in (46.3cm x 28.9cm x 36.6cm)
Capacity	2160Wh

Outputs

AC Output (x4) Pure Sine Wave	2000W (Surge 4000W) total,100-120 Vac, 200-240Vac(50/60Hz)
USB-A Output (x4)	5V – 2.4A, 12W Max (per port)
QC 3.0 Output (x2)	5V – 3A, 9V – 2A, 12V – 1.5A, 18W Max 5V – 3A,9V – 3A,12V – 3A,15V – 3A,20V – 5A,100W Max*1
USB-C Output (x3)	5V – 3A,9V – 3A,12V – 3A,15V – 3A,20V – 2.25A,45W Max (per port)*2
Car Power Output (x1)	12.5V – 8A, 100W Max
Wireless Output (x1)	15W

Input

AC Charger Input	1500W Max
Solar Charge Input	11-50V – 12A, 400W Max
Car Charge Input	12V-24V – 10A, 100W

Battery

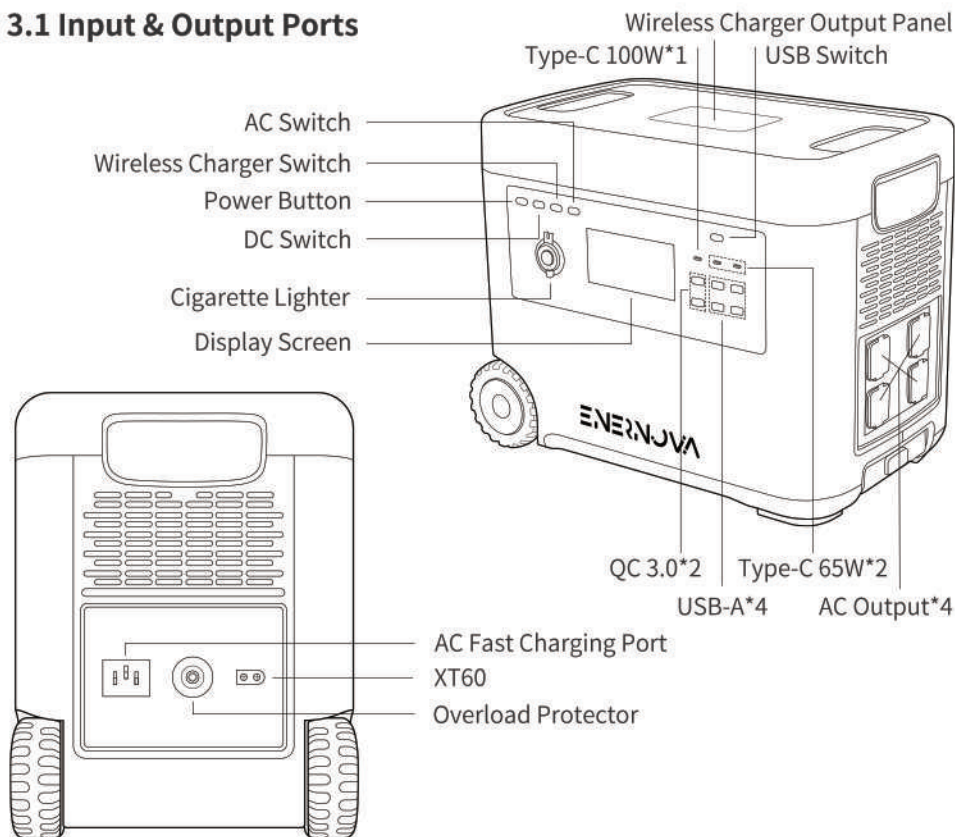
Cell Chemistry	Lithium Iron Phosphate
Operating Temperature	-10°C~40°C (14°F~104°F)
Recharging Temperature	0°C~40°C (32°F~104°F)
Warranty Life	5 Years
Cycle Life	3000 times to 80%+ capacity

***Please note:**

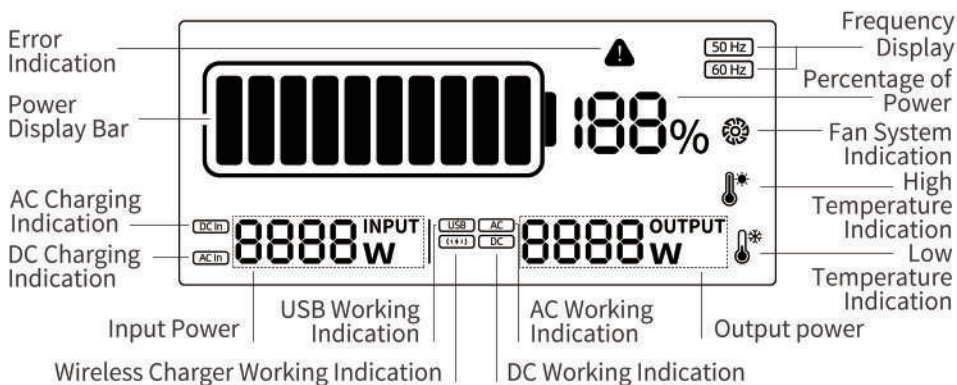
The following information has been obtained under supervised test conditions.

3. Getting Started

3.1 Input & Output Ports



3.2 LCD Screen



3.3 Battery Cells

3.3.1 Power Storage of Power Supplies:

The storage capacity of the power supply is the rated value. The rated power storage of the power supply is shown in the parameter label in the power supply manual, which is usually marked directly *Wh, and the rated voltage (V) and rated capacity (mAh) are also marked, and the power storage (Wh) = rated voltage * rated capacity (mAh) / 1000.

3.3.2 The Actual Power Discharged From the Power Supply:

The actual power discharged by the power supply is related to the following parameters:

1) Ambient Temperature

The ambient temperature has a great influence on the power discharged from the battery, for example, the range of electric vehicles will be shortened when they are used in cold areas. Generally speaking, with the rated 25°C(77°F) as the base, for every 10°C(50°F) decrease above 0°C(32°F), the power discharged will be reduced by 10-15%. For every 10°C(50°F) lower than 0°C, the power discharged will be reduced by 30%.

2) Efficiency

During the discharge process, the battery voltage needs to be transformed, which inevitably brings energy loss, especially the inverter (AC output) part, which is influenced by the ambient temperature and the power level of the equipment running, and the loss varies from 5-15%. Therefore, the measured power released from the output side under full load is only 85%-95% of the rated capacity.

3.3.3 Power Supply With Load Time:

Operating time = 2160Wh * 0.85 / your device's operating power. (15% loss).

The duration of our devices is based on laboratory data and may vary for specific device use.

3.4 The Output Power of the Power Station

3.4.1 Definition of Rated Power:

The rated output power of the power supply refers to the rated output power of the inverter (AC output) part, and the rest of the power is generally not marked because the power is relatively small compared to the inverter (AC output). Power supply can be AC part of the full power and other ports full power output at the same time.



3.4.2 Select Power Supply Power Considerations:



Some appliances such as hair curlers, laser printers, with motors and non-inverter class load (air conditioning, washing machines, etc.), such equipment start current is very large (3-5 times the nominal power), and the start time is long, about 10S, so the power exceeds a lot of this time is normal, choose the power supply to pay extra attention to the rated power of the power supply should be greater than the rated power of these appliances 3-5 times.


3.4.3 Power Supply Display Power Description:

Some appliances may be marked with their rated power, which itself also needs to calculate the actual operating efficiency or slightly different according to the output voltage, so if the power displayed by the power supply itself is not much different from the rated power of the device itself (e.g. 20%), it is generally a normal phenomenon. If it exceeds more, you need to verify the power of the equipment or need to confirm the existence of power or load failure.

3.5 Power Supply Alarm Function

3.5.1 When this product triggers the high temperature protection mechanism, the icon  will light up, it will automatically cut off all outputs and enter the alarm reminder, while the screen icon  will flash synchronously and the buzzer will sound 10 times.

3.5.2 This product will light up when the low temperature protection mechanism is triggered, the icon  will automatically cut off all outputs and enter the alarm reminder, while the screen icon  will flash synchronously and the buzzer will sound 10 times.

3.5.3 This product will automatically cut off all outputs when it triggers the protection of other protection mechanisms and enter the alarm reminder, while the screen's icon  will flash synchronously and the beep will sound 10 times.

3.6 EPS and Bypass Function

The product supports EPS and function, when connected to the utility for charging use, the product output will be directly through the utility port for output without going through the battery, greatly reducing the loss of battery life, while the moment of power failure can be switched to internal battery power within 30ms.

3.7 Auto Power Off

3.7.1 DC/AC/USB/wireless charger all output off state and without any operation, 1 minute automatic shutdown, or long press the "ON/OFF" key for 1 second to shut down.

3.7.2 If the output AC/DC/USB/wireless charger all open or open 1 of them, if all the output port without load, the default after 8 hours automatically shut down.

3.8 Fan

When the power supply temperature exceeds 45°C, the fan will start running and speed up as the temperature rises in order to better help the power supply dissipate heat.

After the load is removed, the interior of the product is still in a high temperature state, so the fan will continue to run and dissipate heat to extend the life of the device. Typically, the fan will stop spinning after about 10 minutes of operation (depending on the load power and scene temperature).

3.9 Wireless Charging

Wireless charging is marked on the top of the power supply (the circle in the middle is the center of the wireless charging). When using the device, turn on the wireless charging switch and the wireless charging will turn on. Please put the phone in the center, wait a few seconds to wait for the power supply and the phone docking agreement to start wireless charging, at this time the phone will show the charging logo.

4. Recharging

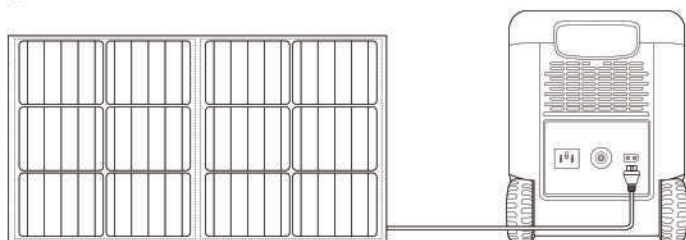
The product has a charging protection function, once the product is fully charged, it will automatically stop charging. It is recommended to disconnect the charging connection in time after the product shows that it is fully charged.

4.1 Solar Charging

The XT60 charging port on the ETAUltra portable power station can be connected to a solar panel for charging (requires the use of an XT60 adapter cable in the solar panel).

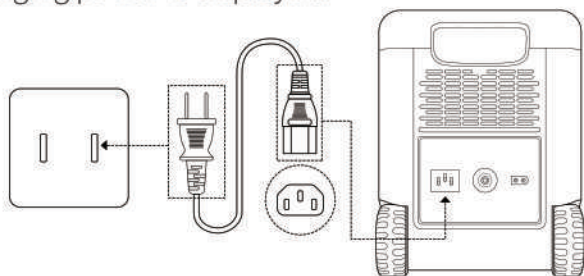
The product is equipped with an internal MPPT system. When connected to the solar panel, the product will automatically start charging and the battery icon will flash while the screen will show the charging power.

The power of the solar panel is greatly affected by light, so the input power may fluctuate, which is normal.



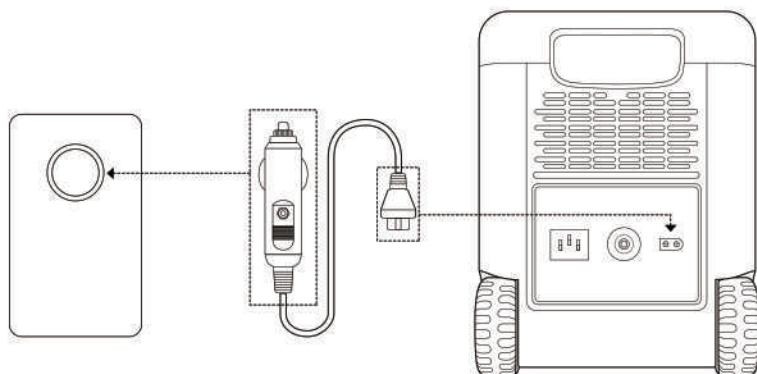
4.2 AC Charging

Plug the AC input port of the charging cable into the AC power supply. Plug the output port of the charging cable into the mains charging port on the side of the power supply and the battery icon starts to scroll while the charging power is displayed.



4.3 Car Charging

Plug the DC input of the Car charging cable into the Car cigarette lighter. Plug the DC output of the car charging cable into the XT60 port of the portable power station and the battery icon will scroll while the charging power is displayed.



5. Troubleshooting

5.1 Charging Failure

5.1.1 The charging cable is not plugged into place. Please insert the input and output of the charging cable into place.

5.1.2 The ambient temperature is too high. It is dangerous to use the lithium battery at temperatures above the specified temperature, so if the ambient temperature is low or high, the product's internal temperature protection will stop charging and discharging. In this case, please wait for the product temperature to recover before using it.

5.1.3 Please make sure that the voltage version of the purchased power supply meets your local utility power supply standard (110V in the US, 100V in Japan, 230V in Europe).

5.2 Automatic Shutdown When Loading

5.2.1 The power of the connected load exceeds the specified value (after connecting the load, the power is turned on and the alarm icon on the display will light up after the output is automatically cut off). Please note that some loads have a high starting current even though the nominal power is small, which will also cause the product to enter overload protection status.

5.2.2 Short-circuit fault exists in the rear load: Confirming this fault requires a professional to measure it with special tools (such as using a multimeter to measure the resistance of the rear device).

Overload or short-circuit fault can be confirmed with a normal low-power load. If there is no problem with a slightly lower-power load, it is usually a rear load overload or short-circuit fault.

5.2.3 The display protection mark lights up during operation, no output: the internal temperature of the inverter may be too high, the power station stops output, normal ambient temperature, normal load generally does not appear this situation, if it appears, please check according to the following recommendations. First, whether the ambient temperature is too high resulting in the internal temperature rise of the power station exceeds the specified value; second, both sides of the

power station have heat dissipation holes, you need to leave at least 20cm of space for air circulation heat dissipation, pay attention not to place some light paper, plastic film, cloth and other soft materials, because the fan will form suction when turning, these materials are adsorbed will greatly affect the power station heat dissipation resulting in internal protection. After eliminating the above abnormalities, the power station can be used again after cooling for a period of time.

5.2.4 Product failure. If the above abnormalities are excluded and the product still does not work properly, the power station itself may be malfunctioning and needs to be repaired.

5.3 Automatic Shutdown After Outputting

To save power consumption and to avoid not having power available when needed, the device will automatically shut down after 60 seconds without turning on any port and without any operation if the output port switch is not turned on. If it needs to be used at this time, the power needs to be restarted.

5.4 Unable to Power On

5.4.1 Ambient temperature exceeds the specified temperature power internal protection. Lithium-ion batteries over the specified temperature use is very easy to dangerous, so if the ambient temperature is very low or very high, the product's internal temperature protection will not respond to the power on in the off state, if it has been turned on will stop charging and discharging. In this case, please wait for the product temperature to recover before using.

5.4.2 If the ambient temperature is normal, the battery may have been stored for too long causing the battery to run out of power, please plug in the charging cable to charge for at least 1 hour before use.

5.4.3 If the power station still cannot be turned on after taking the above measures, and there is no response when you press any button, the power station needs professional repair.

5.5 Short Discharge Time

5.5.1 The ambient temperature has a large impact on the battery discharge time, especially when the ambient temperature is below 0 degrees.

5.5.2 The product has a high number of cycles. The battery's capacity will gradually decay as the number of cycles increases. Generally, when the rated cycle life is reached, the capacity is only 80% of the rated capacity. This is a normal phenomenon and can continue to be used, but the discharge time will be shortened accordingly.

5.6 Wireless Charging Failure

5.6.1 Only when the Wireless Charge output switch is turned on can the wireless charging function be used.

5.6.2 Wrong position: Please move the phone to the corresponding position.

5.6.3 In order to wireless charging function properly, please do not use more than 3-5mm thick phone case.

5.6.4 The surface is hot: Because the coil of wireless charging is hot, so there will be a little heat at the wireless charger. But please pay extra attention to the back of the phone can not have metal substances, which will lead to abnormal heating and can not be charged properly.

5.7 Product Overheating

When the power station with a larger load, the inverter at the top and the battery at the bottom will generate a certain amount of heat, the cooling fan will start to dissipate heat, even so, the shell will still have a certain temperature rise, the temperature of the shell will reach about 40 degrees in the area where the heat is concentrated at full load (related to the ambient temperature), this situation is normal.

5.8 DC and USB Output Error

5.8.1 Corresponding switch is not turned on:

Make sure that the DC or USB switches are pressed and the corresponding icons are lit.

5.8.2 Output overload protection:

When the DC or USB outputs are overloaded, the outputs will be automatically cut off and the alarm icon will flash. In this case, you need to disconnect the power of the connected device, then press the DC and USB switch again to make sure the alarm icon is no longer flashing and you can use it again.

5.8.3 No response when the device is turned on and the corresponding icon flashes:

Some DC devices have a high starting current (such as car vacuum cleaners), and the power station may not respond at the moment of starting, or it may enter the protection state in a short time. When you encounter this situation, please judge and operate as described in 5.8.2.

WARRANTY

EN: We provide a 30-day money-back guarantee and a 5-year warranty (please register on our website to activate the 3-year extended warranty).

日本語: 30 日間の返金保証と 5 年間の保証 (3 年間の延長保証を有効にするには、当社ウェブサイトから登録を行ってください) を提供します。

DE: Wir bieten eine 30-Tage-Geld-zurück-Garantie und eine 5-Jahres-Garantie (bitte registrieren Sie sich auf unserer Website, um die erweiterte 3-Jahres-Garantie zu aktivieren).

FR: Nous offrons une garantie de remboursement de 30 jours et une garantie de 5 ans (veuillez vous enregistrer sur notre site web pour activer l'extension de garantie de 3 ans).

IT: Forniamo una garanzia di rimborso di 30 giorni e una garanzia di 5 anni (si prega di registrarsi sul nostro sito web per attivare la garanzia estesa a 3 anni).

ES: Ofrecemos una garantía de devolución del dinero de 30 días y una garantía de 5 años (regístrese en nuestro sitio web para activar la garantía ampliada de 3 años).

ARA: نحن نقدم ضمان استعادة الأموال لمدة ٣٠ يوما وضمان لمدة ٥ سنوات (يرجى التسجيل على موقعنا الإلكتروني لتنشيط الضمان الممتد لمدة ٣ سنوات)



For FAQs and more information, please visit:
enernovatech.com/pages/policy

IT:

Gentile utente,

al fine di ridurre le emissioni di anidride carbonica, abbiamo deciso di convertire il tradizionale manuale cartaceo in una versione elettronica del manuale. Tuttavia, abbiamo mantenuto una versione semplice del manuale in inglese, che è la lingua comune, per coloro che non sono abituati a visualizzare i documenti sui loro telefoni cellulari.

Il nostro obiettivo è proteggere l'ambiente e ridurre le emissioni di anidride carbonica, offrendo al contempo ai nostri utenti un'esperienza d'uso più comoda ed efficiente. La versione elettronica del manuale non solo consente di risparmiare una notevole quantità di carta, ma permette anche agli utenti di accedervi in qualsiasi momento e da qualsiasi luogo con il proprio telefono o computer, risparmiando tempo e fatica. Allo stesso tempo, abbiamo mantenuto una versione semplice del manuale in inglese per garantire che tutti gli utenti possano comprendere facilmente i metodi di utilizzo e le caratteristiche del prodotto.

Ci auguriamo di poter contribuire alla causa della tutela dell'ambiente e di fornire agli utenti servizi più convenienti ed efficienti. Continueremo a lavorare sodo per migliorare la qualità dei nostri prodotti e servizi e introdurre prodotti più ecologici e intelligenti.

Cordiali saluti
ENERNOVA



ES:

Estimado usuario,

Con el fin de reducir las emisiones de carbono, hemos decidido convertir el tradicional manual en papel en una versión electrónica del mismo. Sin embargo, también hemos mantenido una versión sencilla del manual en inglés, que es el idioma común, para aquellos que no están acostumbrados a ver documentos en sus teléfonos móviles.

Nuestro objetivo es proteger el medio ambiente y reducir las emisiones de carbono, al tiempo que proporcionamos a nuestros usuarios una experiencia más cómoda y eficiente. La versión electrónica del manual no sólo ahorra una cantidad significativa de papel, sino que también permite a los usuarios acceder a él en cualquier momento y lugar a través de sus teléfonos u ordenadores, con el consiguiente ahorro de tiempo y esfuerzo. Al mismo tiempo, hemos mantenido una versión sencilla del manual en inglés para garantizar que todos los usuarios puedan comprender fácilmente los métodos de uso y las funciones del producto.

Esperamos que con estas medidas podamos contribuir a la causa de la protección del medio ambiente y ofrecer a los usuarios servicios más cómodos y eficaces. Seguiremos trabajando duro para mejorar la calidad de nuestros productos y servicios e introducir más productos ecológicos e inteligentes.

Saludos cordiales
ENERNOVA



DE:

Sehr geehrter Benutzer,

Um die Kohlendioxidemissionen zu reduzieren, haben wir beschlossen, das traditionelle Papierhandbuch in eine elektronische Version des Handbuchs umzuwandeln. Für diejenigen, die es nicht gewohnt sind, Dokumente auf ihrem Mobiltelefon zu lesen, haben wir jedoch auch eine einfache Version des Handbuchs in englischer Sprache beibehalten, die die gängige Sprache ist.

Unser Ziel ist es, die Umwelt zu schützen und den Kohlendioxidausstoß zu verringern, während wir gleichzeitig unseren Nutzern ein bequemerer und effizienterer Nutzererlebnis bieten. Die elektronische Version des Handbuchs spart nicht nur eine beträchtliche Menge an Papier, sondern ermöglicht es den Nutzern auch, jederzeit und überall über ihr Handy oder ihren Computer darauf zuzugreifen, was Zeit und Mühe spart. Gleichzeitig haben wir eine einfache Version des Handbuchs in englischer Sprache erstellt, um sicherzustellen, dass alle Benutzer die Anwendungsmethoden und Funktionen des Produkts leicht verstehen können.

Wir hoffen, dass wir mit diesen Maßnahmen einen Beitrag zum Umweltschutz leisten und den Benutzern bequemere und effizientere Dienstleistungen bieten können. Wir werden weiterhin hart daran arbeiten, die Qualität unserer Produkte und Dienstleistungen zu verbessern und weitere umweltfreundliche und intelligente Produkte einzuführen.

Mit freundlichen Grüßen
ENERNOVA



FR:

Cher utilisateur,

Afin de réduire les émissions de carbone, nous avons décidé de convertir le manuel papier traditionnel en une version électronique du manuel. Toutefois, nous avons également conservé une version simple du manuel en anglais, qui est la langue courante, pour ceux qui n'ont pas l'habitude de consulter des documents sur leur téléphone portable.

Notre objectif est de protéger l'environnement et de réduire les émissions de carbone tout en offrant à nos utilisateurs une expérience plus pratique et plus efficace. La version électronique du manuel permet non seulement d'économiser une quantité importante de papier, mais elle permet également aux utilisateurs d'y accéder à tout moment et en tout lieu sur leur téléphone ou leur ordinateur, ce qui leur permet de gagner du temps et d'économiser leurs efforts. Parallèlement, nous avons conservé une version simple du manuel en anglais afin que tous les utilisateurs puissent comprendre facilement les méthodes d'utilisation et les caractéristiques du produit.

Nous espérons que ces mesures nous permettront de contribuer à la protection de l'environnement et de fournir aux utilisateurs des services plus pratiques et plus efficaces. Nous continuerons à travailler dur pour améliorer la qualité de nos produits et de nos services et pour introduire des produits plus écologiques et plus intelligents.

Meilleures salutations
ENERNOVA



ENERNOVA(CHINA) CO., LTD.