



EDEN

7595-0490

Publication date 01/24/2025

88750007 EDEN US

88750008 EDEN UK

88750009 EDEN EU

Copyright

Copyright © 2025

All rights reserved.

Original Instructions: English

All rights reserved throughout the world. No part of this publication may be stored in a retrieval system, transmitted, copied or reproduced in any way, including, but not limited to, photocopy, photograph, magnetic or other record without the prior agreement and permission in writing of Videndum Plc.

Disclaimer

The information contained in this publication is believed to be correct at the time of printing. Videndum Product Solutions Ltd reserves the right to make changes to the information or specifications without obligation to notify any person of such revision or changes. Changes will be incorporated in new versions of the publication. We are making every effort to ensure that our publications are updated on a regular basis to reflect changes to product specifications and features. Should this publication not contain information on the core functionality of your product, please let us know. You may be able to access the latest revision of this publication from our website. Videndum Production Solutions Ltd reserves the right to make changes to product design and functionality without notification.

Trademarks

All product trademarks and registered trademarks are the property of Videndum Plc.

All other trademarks and registered trademarks are the property of their respective companies.

Published by:

Videndum Production Solutions Ltd

Email: publications@videndum.com

Table of Contents

General Safety 4

Air Transportation Regulation 7

Components and Connections 8

 Front and Back View 8

Box Contents 9

Operations 10

 AC Charge 10

 PV Charge 11

Technical Data 12

 Dimensions 13

 Daisy Chain 14

Troubleshooting 15


FAQs 16


Declarations 17

Warranty 20


Important information on the safe installation and operation of this product. Read this information before operating the product. For your personal safety, read these instructions. Do not operate the product if you do not understand how to use it safely. Save these instructions for future reference.


Warning Symbols Used in these Instructions


 **WARNING** Where there is a risk of personal injury or injury to others, comments appear supported by the warning triangle symbol. Where there is a risk of damage to the product, associated equipment, process or surroundings, comments appear supported by the word '**Caution**'.


 **DANGER** Where there is a risk of electric shock, comments appear supported by the hazardous voltage warning triangle.


Electrical Connection


 **DANGER** Risk of electric shock. Do not remove cover, no user serviceable parts inside the product.

 **WARNING** Risk of electric shock. Always check cables for signs of damage. Damaged cables can cause personal injury and/or damage the equipment.


 **WARNING** Ensure an approved charging cable and MPPT accessories are used.


 **CAUTION** Do not exceed the current output limit of the product when powering auxiliary devices.


 **DANGER** Refer servicing to qualified service personnel.


 **WARNING** In the event of a fire, a dry chemical fire extinguisher should be used. If Fire Brigade attend they must be advised that the product has a Lithium-ion battery.


Operation

 **WARNING** Special precautions and handling instructions are contained in this user guide and should be strictly adhered to for safe and reliable operation.

 **WARNING** Before turning on EDEN, check that all connected loads are switched off.

 **WARNING** EDEN must not be used to operate life sustaining medical devices.

 **WARNING** Never use flammable or combustible materials and solvents around batteries or chargers.

 **WARNING** Do not insert foreign objects into the charging port, discharge port, or any other port.

⚠ CAUTION The product should not be used outside the operating temperature limits. Refer to the product technical specifications for the operating limits for the product.

⚠ WARNING Do not place the unit on unstable or inclined surfaces, ensure the area is well ventilated.

⚠ WARNING When cleaning the product, use a soft damp cloth only. Do not wet the exposed metal parts of the battery. Do not use solvents, detergents or scouring agents.

⚠ CAUTION Please keep EDEN away from children or pets.

⚠ DANGER Do not drop, puncture or crush this battery. Do not use the battery if the case is damaged or broken. Do not open or attempt to service this battery if damaged.

⚠ WARNING These electronic devices can be damaged if the battery is subject to abuse or damage. Do not use a battery that has been subjected to excessive mechanical shock or water damage.

⚠ WARNING In the event of a malfunction, please shutdown immediately.

⚠ WARNING Do not use as a work bench.

⚠ WARNING If the EDEN is damaged or not used properly, steam may escape. The steam can irritate the respiratory tract, in this instance fresh air and a well ventilated area should be supplied, adverse reactions will need medical attention immediately.

⚠ WARNING Use the cable supplied with the product or replacement cable from Anton/Bauer.

Maintenance

⚠ DANGER The fitting of non-approved parts or accessories, or the carrying out of non-approved alterations or servicing can be dangerous and could affect the safety of the product. It may also invalidate the terms and conditions of the product warranty.

⚠ DANGER Never attempt to service this battery. Refer servicing to qualified service personnel.

⚠ DANGER Never attempt to open this battery. The electronic circuits inside the battery can be damaged causing malfunction and/or potential hazard to person and property.

⚠ CAUTION Store EDEN in a cool, dry place with an ideal temperature range of 20°C-30°C, For safety, do not store below -10°C or above 45°C for long periods of time.

🔄 It is recommended to cycle every 6 months to maintain the health of the battery.

🚫 If the SOC drops to 0 (while running or starting), take the following steps to safely charge and start the device:

1. Shut down immediately.
2. Charge within 24 hours.
3. Rest for at least an hour before charging it.

Contact Anton/Bauer Customer Support Group with additional inquiries as to maintenance.

Storage

⚠️ **CAUTION** Charge batteries at room temperature. In warm climates keep EDEN in air conditioned rooms for best performance.

⚠️ **CAUTION** The battery will "wake up" when the power button is held down, if it hasn't self-discharged entirely, otherwise will "wake up" when placed on a charger.

⚠️ Do not use cranes or other lifting equipment to move EDEN.

⚠️ Store EDEN in a safe not explosive environment.

⚠️ **CAUTION** If the battery is less than 10% after use, please charge to 80% before storing. If it is idle for a long time in the case of severe power shortage, it will cause irreversible damage to the battery cell and shorten the service life of the product

🚫 If the EDEN has not been used for more than three months, charge it to 40%-60% SOC to keep it in top condition.



Dangerous Goods Regulations 49CFR Parts 100-185, International Air Transport Association (IATA) and the International Civil Aviation Organization (ICAO) regulations apply to all Lithium-Ion battery transport.

Air Transportation Declaration

Videndum Production Solutions, declares that the Anton/Bauer EDEN Lithium-Ion battery packs contain equivalent Lithium content (ELC) in a quantity exceeding 8 grams and therefore is considered and must be handled and transported as a class 9 Hazardous article and is subject to regulation under Dangerous Good Regulations.

49CFR PARTS 100-185

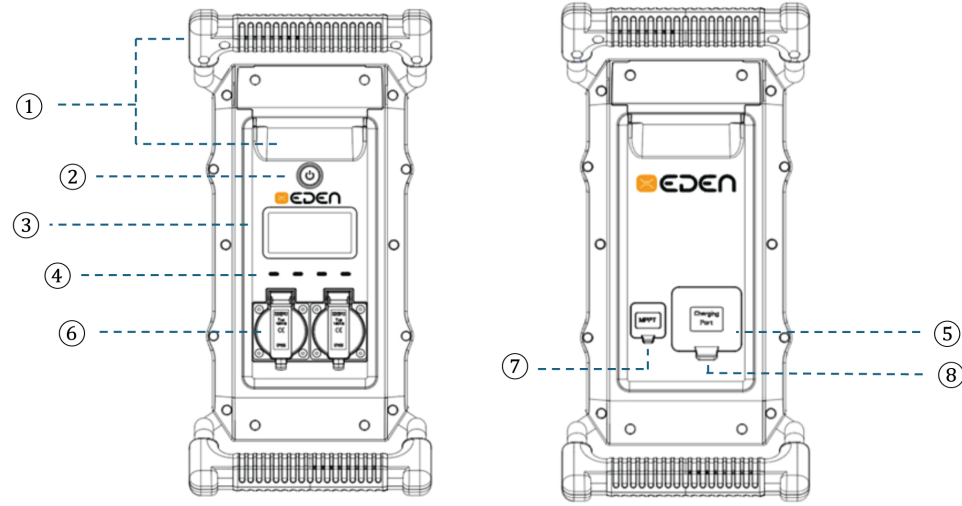
Since the interpretation and application of regulations may vary with the aviation company, the transport of the Anton/Bauer EDEN Series battery may be disallowed even when the conditions described above are satisfied. Anton/Bauer therefore strongly recommends that you consult with your transportation company prior to transporting the battery pack.

EDEN is an off-grid portable energy storage power generation system with a built-in long-cycle lithium-ion battery pack and a high-strength aluminum alloy body. The unit is available in two power supply options, either via the matching charging cable or via the Maximum Power Point Tracking adapter (see optional accessories). 230VAC output to power any electrical equipment up to 2500W in total (EU/UK Units) 120VAC output to power electrical equipment up to 2500W (US Units)

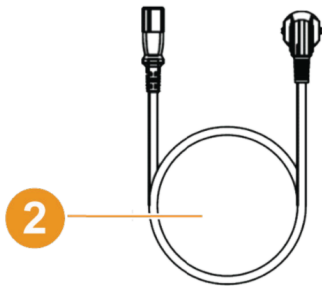
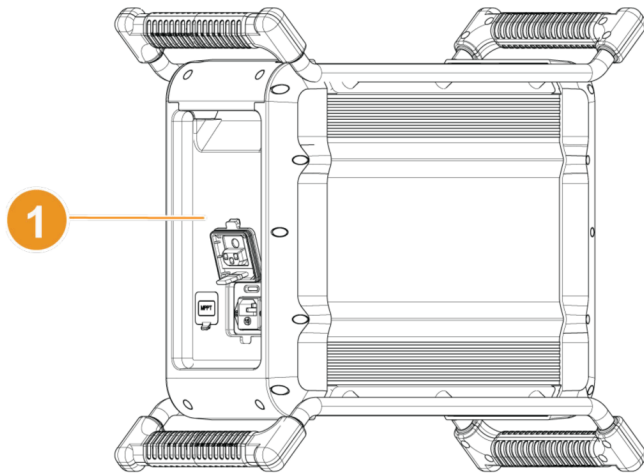
EDEN can be used to supply power to any electronic device such as power tools, outdoor activities, camping equipment, home backup power, lighting, etc.

Front and Back View

NO.	Description
1	Handle
2	Power Switch
3	LCD Display
4	USB-C Port
5	AC Charging Port
6	AC Output Plugs
7	PV Charging Port
8	Breaker Fuse



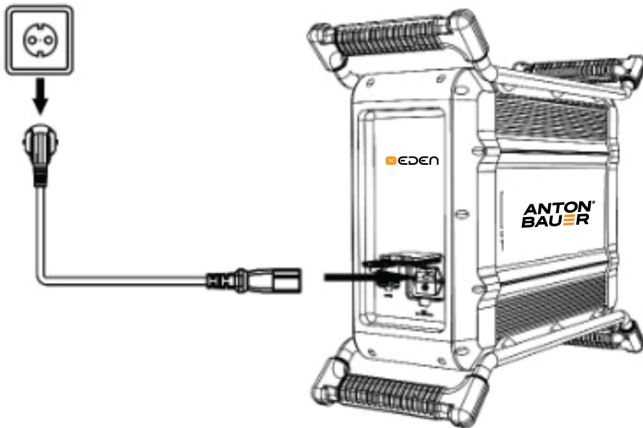
Box Contents



Item	Description
1	EDEN Battery
2	AC Charging Cable and waterproof sleeves for cables
3	IP65 rated sleeve covers x 2 (one per AC output) (not shown on image)

AC Charge

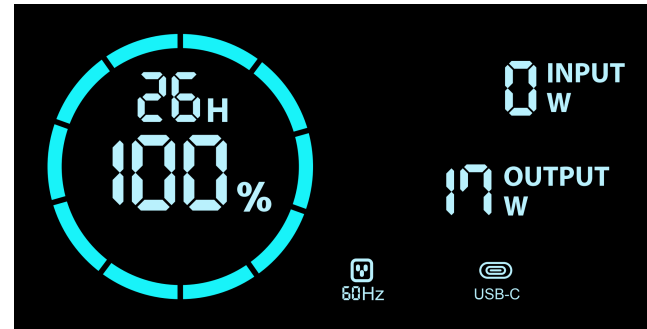
The EDEN can be charged when it is powered ON or OFF by directly plugging in the AC charge cable, the internal circuit starts charging in about 3 seconds of self-test, and LED will automatically light up to display the charging status. The indicator ring bar outside the SOC displays a progressive animation in clockwise direction.



 **Note:**

- Insert the charging socket to EDEN charging port first before plugging it to the mains

- When the State of charge shows 100%, the actual charging process is over. It is advisable to extend the charging time during your first charging process. This allows the device to do self-calibration.
- AC charging power is gradually increased every minute and will stabilize when maximum charging power is reached.



- Battery charge percentage
- Remaining charge time
- Remaining run time

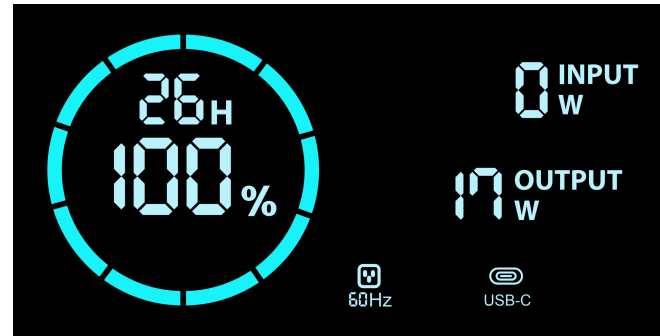
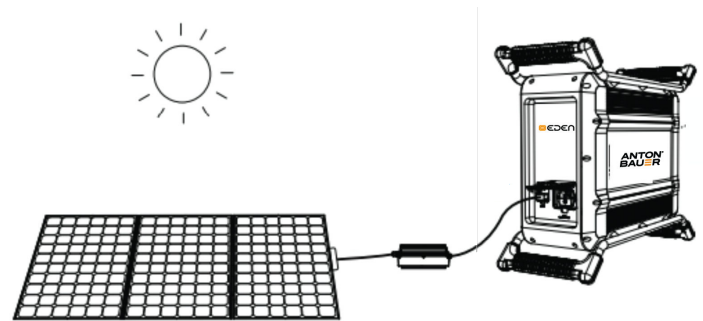
PV Charge

EDEN has a Photovoltaic (PV) charging function, it should be noted that it must be used with a compatible Maximum Power Point Tracking adapter.

In the state of power ON or OFF, you can charge the EDEN, directly plug-in the DC charging cable (XT90), the circuit will start charging after a 3 second delay to allow for self-testing. The LED Monitor shows percentage battery is charged to and advises in hours for full battery charge.

Note:

- PV charging energy depends on sunlight, it is recommended to use PV charging when the sunlight is sufficient.
- The maximum power of PV charging is 500W, and the actual power may be lower than the maximum power due to the angle of sunlight refraction. Note that power mentioned depends on the solar panel that you will have available.
- Please make sure your solar panel complies with: Open Circuit Voltage: 15Vdc ~ 60Vdc Input Power: 500W Max

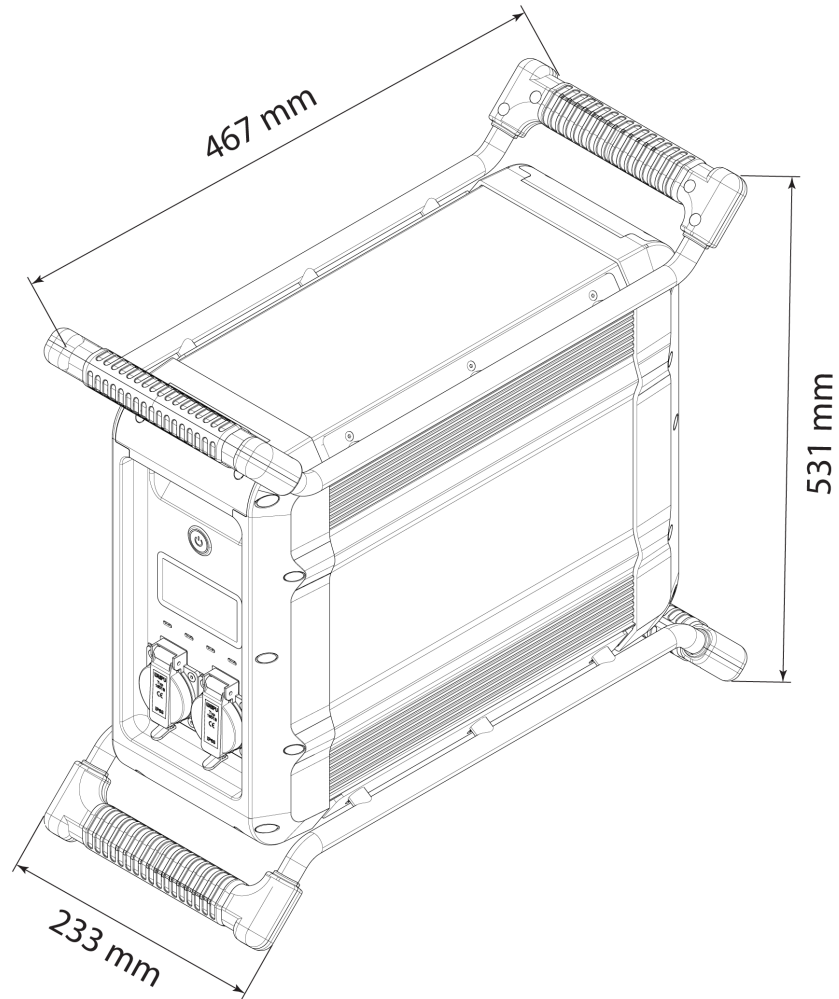


Basic Parameters	Anton Bauer US	Anton Bauer EU / UK
Cell Chemistry	Lithium-ion	Lithium-ion
Capacity	2500 Wh	2500 Wh
Nominal Power	2500W	2500W
Max Power	3500W @30 sec	3740W @30sec
Output Voltage	120V / 60 Hz rated	230V / 50 Hz rated
Charging Voltage	100-120V 60 Hz	100-250V 50/60 Hz
Charging Power	1000W	1000W
Output Socket	Type B	Type F / Type G
Input Socket	C20 connector	C20 connector
Weight	29 kg	29 kg
Dimensions H,W,D	531 x 233 x 467 mm incl. handle	531 x 233 x 467 mm incl. handle

Basic Parameters	Anton Bauer US	Anton Bauer EU / UK
Degree of Protection	IP65 when all covers closed and using the IP sleeve	
Operating Temperature	-10°C to 60°C	-10°C to 60°C
Charging Temperature	0°C to 45°C	0°C to 45°C
Certification	UN38.3; UL, FCC	UN38.3; CE, UKCA
Indicators	LCD Display	LCD Display
Accessories	2 X USB-C PD and 2 X USB-C	2 X USB-C PD and 2 X USB-C
MPPT	30 to 60VDC; 8.5A	30 to 60VDC; 8.5A
Solar Input	500W Max	500W Max
PV Charge	Amass XT90	Amass XT90
Enclosure type	Aluminum	Aluminum

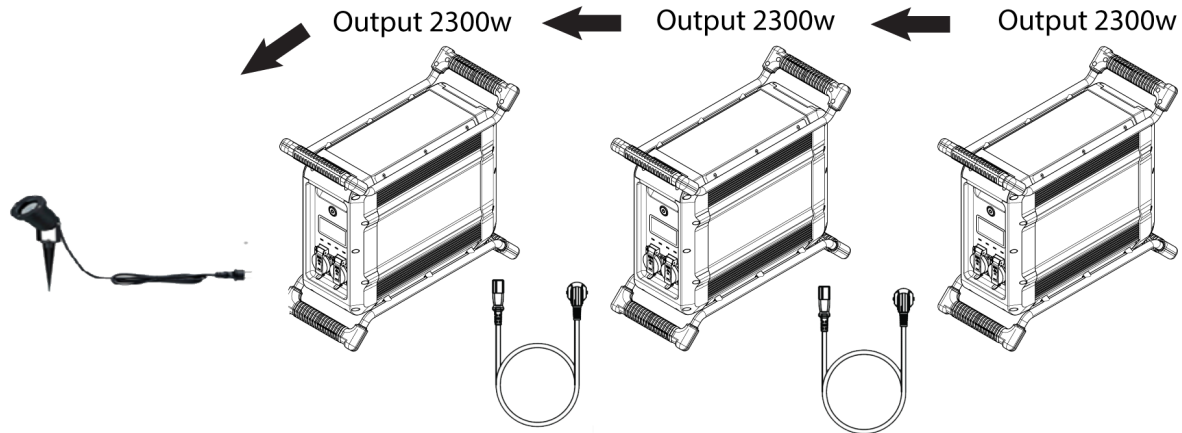
Note: EDEN has the ability to act like a UPS

Dimensions









Daisy Chain






The EDEN has the function of expanding the storage capacity by connecting several units together. The connected devices are discharged one after the other, starting with the first device. As soon as this is "empty", the next coupled device is switched on with a minimum delay of 15 ms, so that an uninterrupted power supply is guaranteed.



Note: An increase in performance (e.g. to 7200W peak) is not possible, it only relates to the storage capacity. Minimum 500W load is required for this to operate.


Troubleshooting

 Icon lights up	BAT charge and discharge low temperature protection	Move EDEN to a warmer place and wait for it to recover automatically
 Icon lights up	BAT charge and discharge high temperature protection	In this case, stop using the EDEN and wait for its temperature to decrease and then automatically recover, or reduce the output power to reduce the temperature rise of the Eden.
 Icon lights up	Charging	Automatic recovery on full charge
 Icon lights up	Inverter fault protection	Remove the AC device and restart the machine to restore
 Icon lights up	BAT fail safe	Remove the AC device & restart the machine to restore
Overload Icon lights up	AC output overload protection	Remove the overpowered device and restart the machine to recover. (Electrical equipment must be used within the rated power)
 E1	Battery under voltage protection	Please charge EDEN

 E2	Battery overload protection	Remove from charging
 E3	Inverter short circuit protection	Please check socket or device being plugged in check for cause of short. Remove short circuit source and reboot the EDEN
 E4	Inverter overload protection	Device plugged in power is too high. Don't use the max operation or not permissible if device rating is higher than the Eden ratings. Lessen the load on AC output and operation will recover
 E5	Inverter over current protection	
 E6-E12	Technical error	Turn off the unit and stage on a cool well-ventilated and isolated place. Contact the customer service.

- Q1 : How long does it take to fully charge?
A : A full charge takes 4 hours.
 - Q2 : Why can't EDEN be fully charged?
A : Perform calibration process by fully charging and discharging the device.
 - Q3 : Why does EDEN shut down automatically?
A: 1) The battery needs to be charged.
A: 2) If the AC and DC power switches are turned ON, but there is no input and output for 30 minutes, the EDEN will automatically shut down and enter the low- power mode.
 - Q4 : Can I use a third-party solar panel to charge my EDEN?
A : Yes, if the solar panel specifications are within the following ranges:
 1. Open circuit voltage: 15Vdc-60VDC
 2. Output power: 500W Max
 3. Use the Amass XT 90 connector
 4. Don't mix different types of solar panels
 - Q5 : How long does it take to switch UPS?
A : 15ms.
 - Q6 : How do I know if my device will work well with this product?
A : Please evaluate the total power of your device, if it does not exceed 2500W, EDEN can run your device well.
 - Q7 : How do I clean my EDEN?
A : Please use a dry or partially wet soft, clean cloth or paper towel to wipe EDEN.
 - Q8 : Is the actual discharge capacity of the EDEN consistent with the nominal capacity in the user manual?
A : The target capacity of the user manual is the nominal capacity of the EDEN battery pack, and the EDEN has a certain efficiency loss during the charging and discharging process, so the actual discharge capacity of the EDEN is lower than the nominal capacity of the user manual.
 - Q9 : Do the USB ports work when the unit is turned off.
A : When EDEN is powered ON, the USB-C ports will become active.
- Note:** Some devices with built-in motors/compressors may start at 2-4 times the rated power, which can easily overload the EDEN.


EU Declaration of Conformity

 Videndum Production Solutions Ltd. declares under our sole responsibility, supported by Videndum Production Solutions GmbH - our authorized representative, that the product detailed in this manual conforms with all relevant provisions of the following EU directives:

- Restriction of Hazardous Substances Directive 2011/65/EU

A copy of the declaration is available on request.
EU contact: Videndum Production Solutions GmbH,
Parkring 29, 85748 Garching, Germany

UK Declaration of Conformity

 Videndum Production Solutions Ltd. declares under our sole responsibility that the product detailed in this manual conforms with all relevant provisions of the following UK Regulations:

- The Electrical Equipment (Safety) Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

A copy of the declaration is available on request.

UK contact: Videndum Production Solutions Ltd,
William Vinten Building, Easlea Road, Bury St.
Edmunds, IP32 7BY

FCC Compliance Statement



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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: 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/television technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

Environmental considerations



European Union Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC)

This symbol marked on the product or its packaging indicates that this product must not be disposed of with general household waste. In some countries or European Community regions separate collection systems have been set up to handle the recycling of electrical and electronic waste products. By ensuring this product is disposed of correctly, you will help prevent potentially negative consequences for the environment and human health. The recycling of materials helps conserve natural resources. Visit our website for information on how to safely dispose of this product and its packaging.

In countries outside the EU: Dispose of this product at a collection point for the recycling of electrical and electronic equipment according to your local government regulations.

Pollution statement: This equipment is designed for operation in Pollution Degree 2 environments.

This warranty for the product specified in this document ("Product") is given by Videndum Production Solutions ("Anton/Bauer"), 14 Progress Drive, Suite 100, Shelton, CT 06484, United States. If you (the purchaser of the Product from Anton/Bauer, or the person for whom the Product was purchased, if it was a gift) have any questions regarding Product applications, Product specification, or to obtain warranty service on this or any Anton/Bauer product, contact the company at the address above.

THIS PRODUCT MUST BE REGISTERED WITH ANTON/BAUER WITHIN 30 DAYS OF PURCHASE TO ENSURE WARRANTY COVERAGE. REGISTER ONLINE AT:

<https://www.antonbauer.com/en/product-support/warranty/>

Warranty 24 months: Anton/Bauer will repair or replace the Product at Anton/Bauer's option and cost.

This warranty shall be effective only if Anton/Bauer receives notice of such defects in materials or workmanship during the period of the warranty. The liability of Anton/Bauer hereunder is expressly limited to a claim for repair or replacement of the Product or as otherwise stated herein at Anton/Bauer's sole discretion. Notice of any claim under this warranty shall be delivered to Anton/Bauer during the period of the warranty and the Product shall be returned with its packaging promptly, at your expense, to an Anton/Bauer Customer.

Support Center or to the address above. Upon receipt of the Product and a record of your compliance with the conditions of this warranty, Anton/Bauer will repair or replace the Product and return it to you, or issue a credit, as applicable. You are responsible for all shipping and handling charges to and from authorized facility.

THIS WARRANTY DOES NOT APPLY TO AND IS VOID IN THE CASE OF DEFECTS OR DAMAGE RESULTING FROM ACCIDENTS, DISASTER, NEGLIGENCE, MISUSE, IMPROPER INSTALLATION, IMPROPER OR UNAUTHORIZED SERVICE OR MAINTENANCE, UNAUTHORIZED REPLACEMENT PARTS OR ATTACHMENTS; OR DYSFUNCTION OR MALFUNCTION OF, OR CAUSED BY, ANY OTHER PRODUCT OR DEVICE.

Misuse includes any use of the Product in other than its intended application, including the use of this Product with any charging device or accessory not manufactured by and/or specified by Anton/Bauer. This warranty does not cover, and Anton/Bauer assumes no responsibility for, any equipment or devices used in conjunction with the Product.

ANTON/BAUER DISCLAIMS ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY OF THE PRODUCT. UNDER NO CIRCUMSTANCES WILL ANTON/BAUER BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Warranty



This Warranty is to be construed and enforced in accordance with the law of the State of Connecticut, including the provisions of the Uniform Commercial Code as adopted and from time to time amended in the State of Connecticut, and not the Convention for the International Sale of Goods. This choice of Connecticut law is exclusive of any Connecticut law that would require reliance on any law foreign to Connecticut.

Should any action of law or in equity be brought by any person under this Warranty, such action shall be brought only in the United States District Court for the District of Connecticut, or in any Superior Court in Fairfield County, Connecticut, USA. Some states do not allow limitations on how long a warranty lasts, so the time period limitation herein may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other legal rights which may vary from state to state. Use of unauthorized equipment in conjunction with Anton/ Bauer products constitutes misuse under our warranties and may limit or void those warranties. Anton/Bauer does not authorize, condone, recommend, or otherwise assume any liability or responsibility resulting from the use of any battery, charger, or accessory made by Anton/Bauer with any battery, charger or accessory not manufactured, produced or sold by Anton/Bauer. Anton/Bauer only authorizes the use of original Anton/Bauer products with this Product. Use only original Anton/Bauer equipment with this Product.

**ANTON[®]
BAUER**

Published by

Videndum Production Solutions Ltd.

Email: publications@videndum.com

Copyright 2025 - Videndum Production Solutions Ltd. All rights reserved



antonbauer.com