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ON/OFF Battery Switch

Leading Manufacturer Protects Solar Power Safety

Rev.2022/07/21



Battery Switch

ON/OFF Battery Switch



Select Code

E D BS - □
1 2 3 4

Code	Name	Description
1	ASwich brand	E
2	DC	D
3	Battery Switch	BS
4	Continuous load current	275:275A 600:600A

Technical Data

	EDBS-275	EDBS-600
Product name	Battery Switch	Battery Switch
Dimensions [mm]	69 × 69 × 75mm	110 × 110 × 100mm
Weight [kg]	0.265	0.496
Continuous load current [A]	275A	600A
Power supply [VDC]	12-48	12-48
Cranking RAting [A]	1250A	2500A

1. GENERAL DESCRIPTION

The user manual is designed to assist in the safe and trouble-free use of the device. The product is designed and manufactured in accordance with strict technical guidelines, using state-of-the-art technologies and components. Additionally, it is produced in compliance with the most stringent quality standards.

DO NOT USE THE DEVICE UNLESS YOU HAVE THOROUGHLY READ AND UNDERSTOOD THIS USER MANUAL.

To increase the product life of the device and to ensure trouble-free operation, use it in accordance with this user manual and regularly perform maintenance tasks. The technical data and specifications in this user manual are up to date. The manufacturer reserves the right to make changes associated with quality improvement.

LEGEND



Read instructions before use.



WARNING! or CAUTION! or REMEMBER!
Applicable to the given situation.



PLEASE NOTE! Drawings in this manual are for illustration purposes only and in some details may differ from the actual product.

The original operation manual is in German. Other language versions are translations from German.

2. USAGE SAFETY



ATTENTION! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in an electric shock, fire and/or serious injury or even death.

The terms "device" or "product" are used in the warnings and instructions to refer to < Battery Switch >.

2.1. SAFE USE OF THE PRODUCT

- If you are unsure about whether the product is operating correctly or if you find damage, please contact the manufacturer's service centre.
- Only the manufacturer's service centre may make repairs to the product. Do not attempt to make repairs yourself!
- Keep this manual for later use. If the product is handed over to third parties, the user manual should be made available to them.

- d) Do not wear loose clothing or jewellery. Keep hair, clothes and gloves away from moving parts.
- e) Do not use the product in a state of fatigue, illness, under the influence of alcohol, illegal drugs or medications significantly limiting the ability to handle the product.
- f) When not in use, please keep the product out of the reach of children and people who are not familiar with it or this manual.
- g) Keep the product in good condition. Check before every use for general damage or damage of the moving parts. In the event of damage, have the product repaired before use.
- h) Repairs and maintenance of the product should only be carried out by qualified staff, using only original spare parts. This will ensure safety of use.
- i) To provide the designed operational integrity of product, do not remove factory-installed covers or screws.
- j) Moving, displacing and rotating the product during operation is forbidden.
- k) The product should be cleaned regularly to prevent permanent deposition of pollutants.
- l) When using this product, along with others also follow other instructions of use.
- m) The operator is responsible for the use of product in accordance with local safety regulations and installation of this device.
- n) The electrical connections should be made by qualified and authorized personnel.
- o) Ensure that all electrical connections are properly tightened to prevent damage to the product.



REMEMBER! Protect children and other outsiders when using the product

3. USE GUIDELINES

The battery switch is designed to isolate the connections between the battery and the motor.

The user is liable for any damage resulting from unintended use of the device.

3.1. PREPARING FOR USE

- Always set the switch in the OFF position before disconnecting and connecting the motor to the battery. Performing operations under load may damage the battery switch.
- Ensure that all cables are correctly sized for the expected maximum load.
- NOTE: Positive poles should be connected to positive ones and negative poles to negative ones. Do not short-circuit wires with different polarity.

3.2. DEVICE USE

Installation on a flat surface:

1. Attach the rear plate to a flat surface with screws.
2. Connect the cables to the connectors, making sure they are properly connected. Run the cables out through the side movable plates.

3. Tighten the connector nuts.
4. Fasten the housing with the cables to the back plate.
5. The cables must be fixed so that they do not place an unnecessary load on the battery switch connectors.
6. Connect the positive lead to the battery when the switch is in the "OFF" position.
7. Check if the battery switch works.

Assembly in the panel:

1. Make sure that the positive wire has been removed from the battery terminal(s).
2. Mark positions of the mounting holes. Drill four holes for screws and one large hole for the switch body.
3. Mount the switch on the panel with screws.
4. Connect the cables to the connectors making sure they are properly installed.
5. Tighten the connector nuts.
6. The cables must be fixed so that they do not place an unnecessary load on the battery switch connectors.
7. Connect the positive lead to the battery clamp when the switch is in the "OFF" position.
8. Check the operation of the battery switch

Checking the operation of the battery switch:

Move the switch to the selected position and check the voltage value:

- "OFF" position – no voltage;
- "ON" position – under voltage.

3.3. CLEANING AND MAINTENANCE

- a) Use only non-corrosive cleaners to clean the surface.
- b) After cleaning the device, all parts should be dried completely before using it again.
- c) The product should be stored in a dry and cool place protected from moisture and direct sunlight.
- d) Remember to regularly inspect the product for technical performance or damage.
- e) Use a soft cloth for cleaning.
- f) To clean the device, use only mild cleaning agents designed for cleaning plastic surfaces.