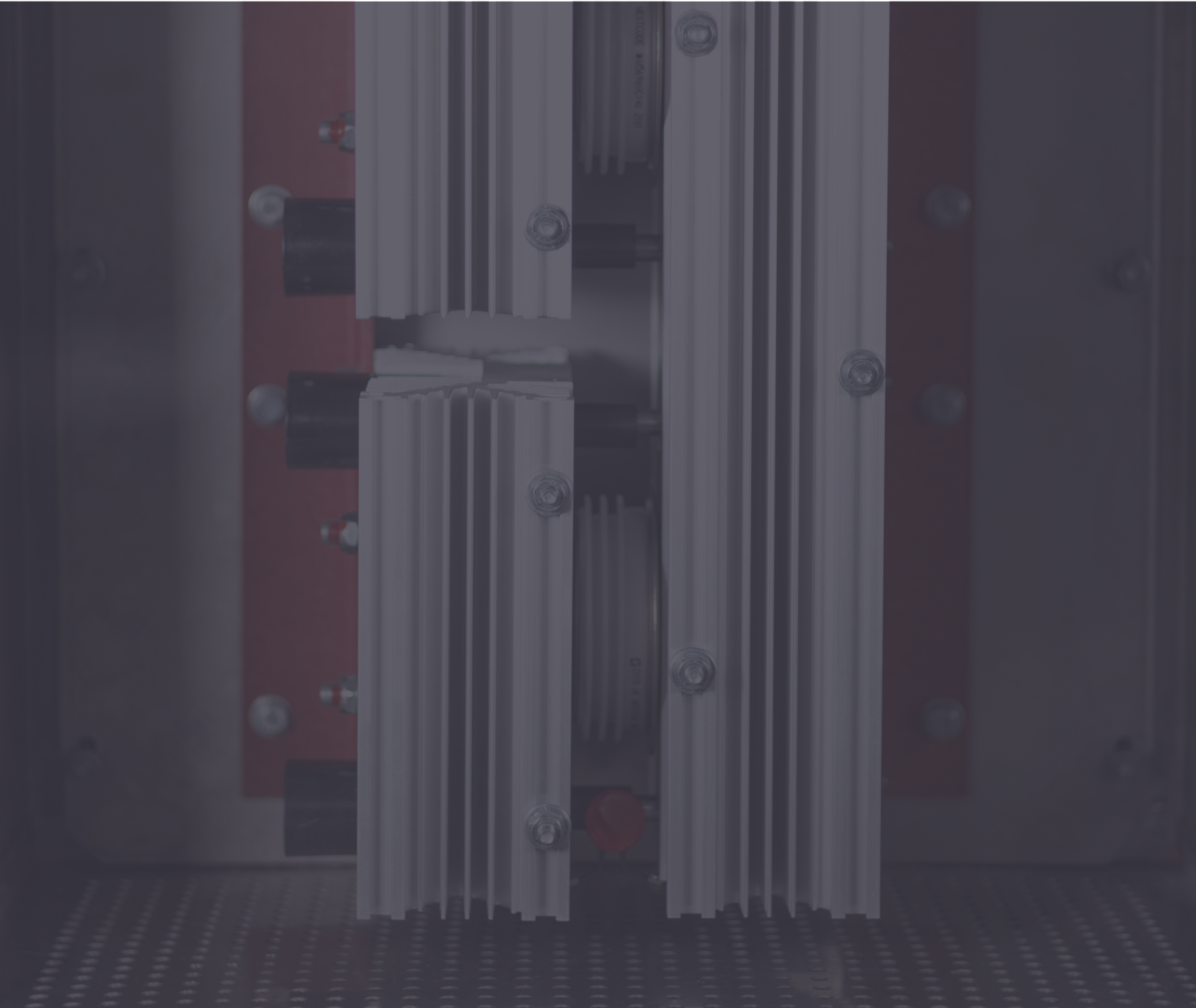


Best Battery Selector Operating Manual



(309) 694-1418
info@enerconpower.com
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Power to Prevail

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General Information



IMPORTANT: Before installing or operating, read this instruction book thoroughly.

TRANSPORTATION DAMAGE

Immediately upon receipt of the equipment, an examination should be made for any damage or loss sustained during transportation. If damage or rough handling is evident, a damage claim should be filed at once with the transportation company and the supplier should be promptly notified.

UNPACKING

The equipment should be unpacked as soon as possible after being received. Failure to do so may cause difficulty in making claims for damage not evident upon receipt. Care should be used in unpacking in order to avoid damaging any of the equipment components. Be sure that no loose parts are missing or left in the packing material. Clean out any dirt or foreign material that may have accumulated on and in the equipment or its components.

STORAGE

If the equipment is not to be installed in its permanent location at once, it should be stored in an upright position in a clean and dry environment.

INTERCONNECTION

Control wire interconnections between the equipment and all external devices are illustrated in the connection diagram.

MOUNTING & ACCESS REQUIREMENT

A minimum of three (3) feet from the front of the equipment to a surface is recommended. A clean and well ventilated area should be selected.

WHEN TO INSPECT

Since maintenance requirements are low, it is recommended that a routine inspection be performed at the end of the first six months of operation. Inspect at least once a year thereafter or if the initial inspection indicates, then more often.

INSPECTION

Clean all dust and debris which could lead to future problems from the interior and exterior of the cubicle with a vacuum cleaner or non metallic brush. Inspect all internal components and wiring for signs of excessive heating and /or deteriorated insulation, especially at high stress points. Physically check for tightness of electrical connections, and re-torque as required.



CAUTION: NEVER WORK ON ENERGIZED ELECTRICAL EQUIPEMENT

Disable incoming power at the source.

If any questions arise, contact factory prior to testing.

Enercon's Best Battery Selector

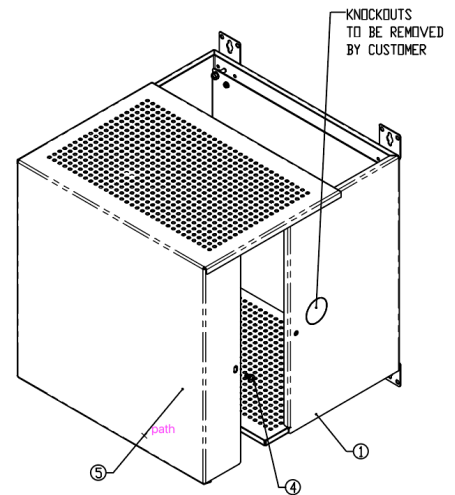
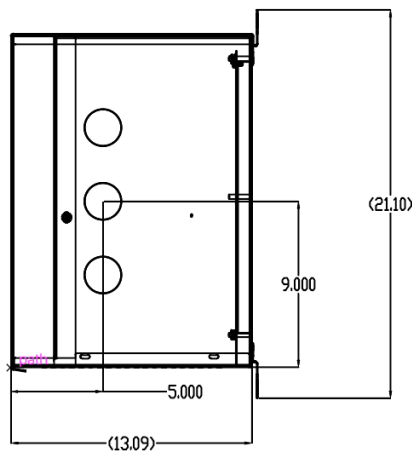
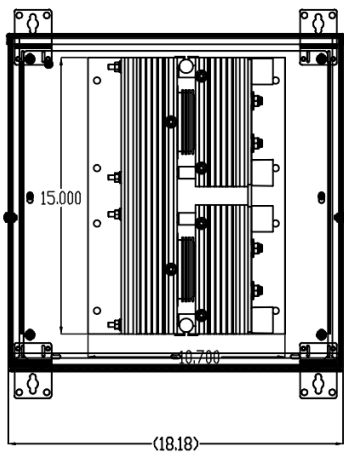
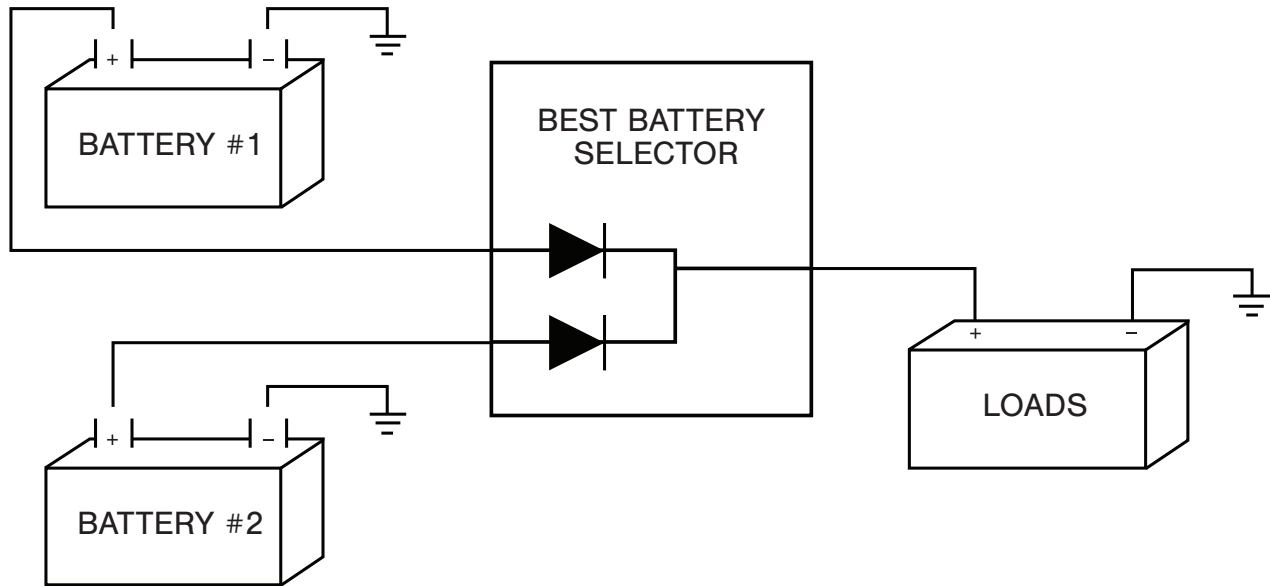
General Definition:

- The Best Battery Selector provide power from two separate batteries to one or more loads.
- If one battery is weak or failed, power will flow to both loads from the other battery.
- The configuration prevents both batteries from being in parallel. This is done automatically and does not require operator interface.
- For example, if Battery #1 is weak, Battery #2 will still provide power to the common loads, but will not provide power to the loads on the Battery #1 circuit.

Highlights:

- Common Cathode Diode Bridge
- 150A, 120v Continuous Rating
- Stainless Steel Enclosure
 - 2B Mill Finish
- Wall Mount Tabs
- Conduit Knockouts
- Easy Access for Cable Connections
- Approximate Dimensions:
 - 18W x 20H x 13D
- Weight 75lbs.

BBS Diagram



Specification

Description

General Description:

- Best Battery Selector (BBS)
- The BBS shall deliver power from the two redundant batteries to the control power of the equipment.
- The BBS shall prevent the paralleling connection of the two batteries so that failure of one battery does not take down the other.
- BBS is of all solid-state design, with no moving parts.
- BBS shall include with 2 high power DC diodes which are convection cooled with oversized heat sinks to assure reliable operation.
- Complete diode assembly housed in a NEMA Type-1 stainless steel enclosure with top and bottom louver openings for cooling.
- Easy Access for cable terminations.
- BBS shall deliver current to both loads from either one or both battery sources.
- BBS shall be rated for 120 VDC voltage.

Contact Information

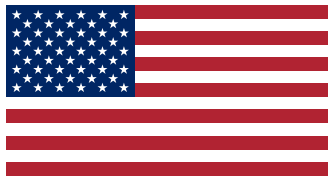
Headquarters
401 SW Water Street, Suite 603
Peoria, IL 61602

Manufacturing and Testing Facility
201 Altorfer Lane
East Peoria, IL 61611

www.EnerconPower.com



@EnerconPower



Made in the USA

Huntsville Office
4100 Market Street, Suite 100
Huntsville, AL 35808

(309) 694-1418
info@enerconpower.com



DUNS: 080237525
Cage Code: 57306
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