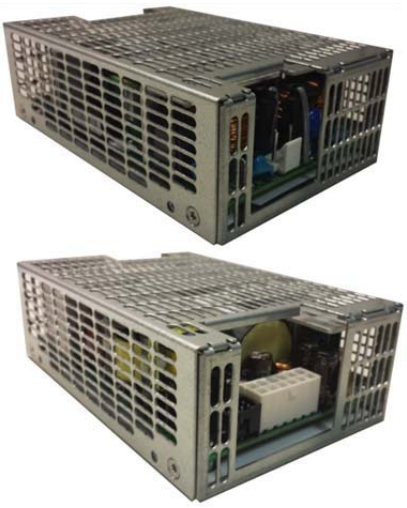
MVAC-COVER

Enclosure Assembly for MVACxxx Series

MODEL USEAGE TABLE	
MVAC400 Models	MVAC250 Models
MVAC400-xxAF	MVAC250-xxF
MVAC400-xxAFD	MVAC250-xxAF
MVAC400-xxAFT	MVAC250-xxAFD
MVAC-400-xxAFR	MVAC250-xxAFT



FEATURES

- Allows installation in equipment that does not afford protection
- MVACxxx safety approvals not impacted
- Allow operation in convection and forced cooled applications
- Multiple mounting orientations
- Galvanized steel corrosion resistant plating
- RoHS Complaint

MATERIALS PARTS LIST (See Figure Opposite)

① Enclosure Base Item

② Enclosure Cover

③ Insulator Sheet

④ PCB Retaining Screws (M3x6 Pan Head With Cup Washer)

⑤ Cover retain Screws (M3 x 6 Countersink Screw)

RoHS COMPLIANT

25

For full details go to
www.murata-ps.com/rohs

ORDERING GUIDE	
Model Number	Description
MVAC-COVER	Enclosure for MVAC250 and MVAC400 product series

PRODUCT OVERVIEW

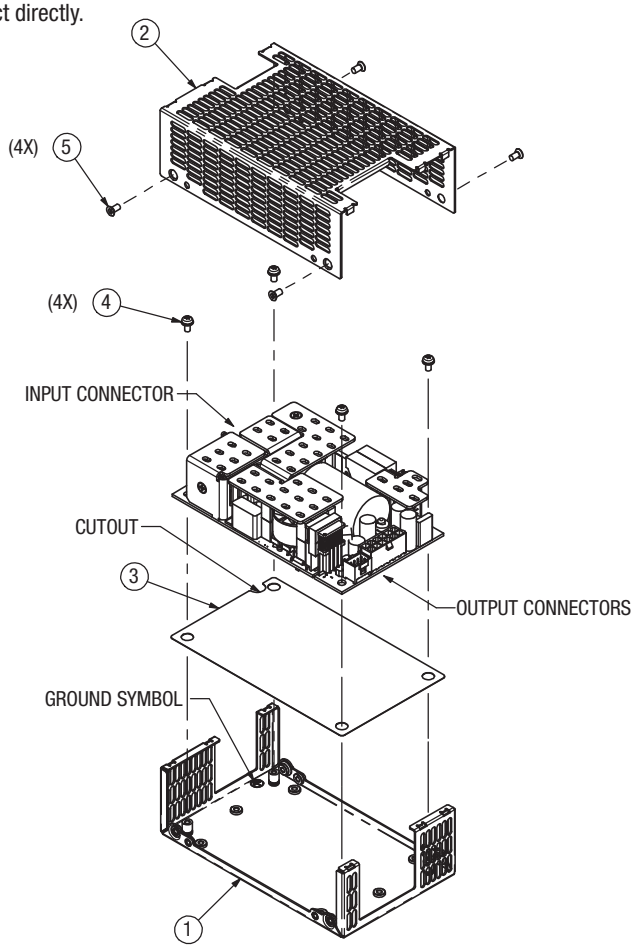
The MVAC-COVER is intended as an enclosure for the MVAC400 & MVAC250 series of open frame products and can be used with the models shown in the Model Usage Table.

It is intended for system deployments where the product is deployed in a semi open environment and not mounted in a totally enclosed system case (where the product is inaccessible to End Users).

It is manufactured from high quality steel and provided with an anti-corrosion coating.

The construction also provides an optimized airflow pattern to accommodate both forced and convection cooling deployments.

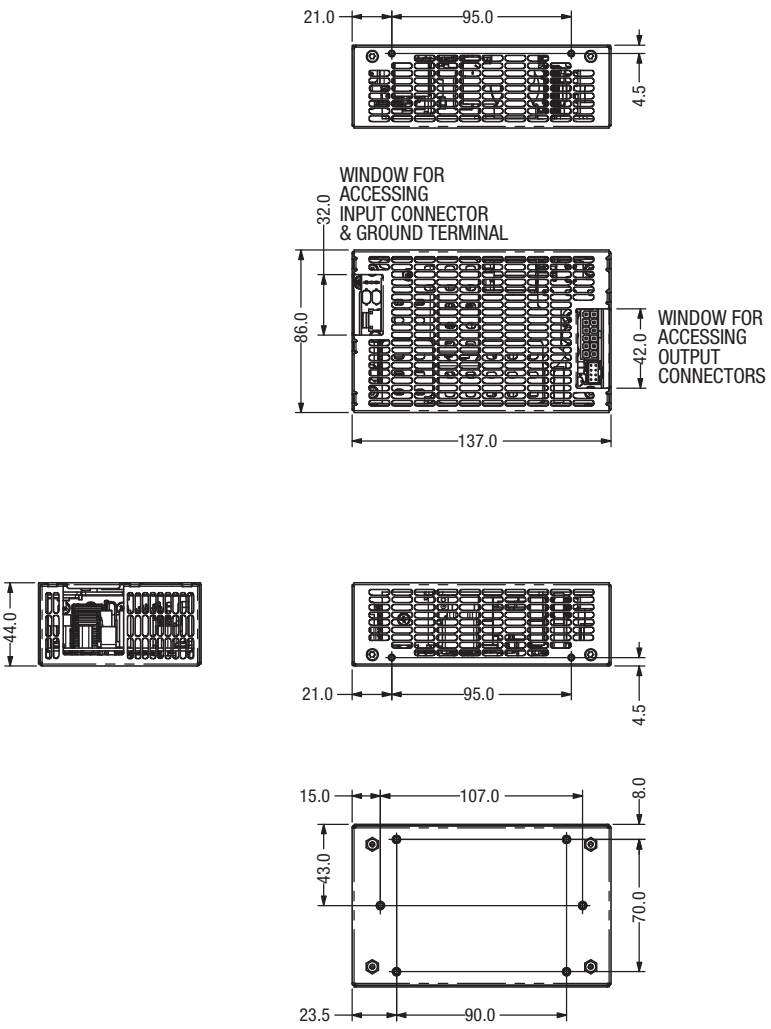
The MVAC-COVER kit is sold separately and it is intended that the End User assembles the MVACxxx open frame product directly.



INSTALLATION INSTRUCTIONS

1. Install the insulator (③) in to the chassis base (①) taking care to align the “cutout” with the “grounding symbol” (clearly stamped in the chassis) and PEM standoffs and ensuring that the insulator lies flat against the chassis base when properly installed.
2. Lower the MVAC-400 into place with the orientation as shown in the above diagram.
3. The mounting holes (slotted holes) should align with the 4 PEM standoffs provided in the chassis base.
4. Install the M3 x 6 pan head screws (④) complete with cup washers.
5. Align the cover with the chassis base (①).
6. Secure cover (②) to the chassis base with the 4 M3 x 6 countersink screws (⑤).
7. Inspect the completed assembly for misalignment (cover, chassis base, insulator, or PCB).

MECHANICAL DIMENSIONS



SAFETY CONSIDERATIONS

1. Refer to the relevant MVAC datasheet of the product to be deployed in the MVAC-COVER assembly.
2. A protective bonding conductor from the end product protective earthing terminal must be tied to TB1.
3. This enclosure can only be used with a Class I deployment and is not suitable for Class II deployment.
4. Ensure that the insulator is correctly aligned and fits correctly and is flush with the chassis base.
5. The chassis standoffs are dimensioned to provide the correct clearance in conjunction with the insulator.
6. Do not operate the power supply with the cover removed. The primary heatsink is considered a live primary circuit, and should not be touched.
7. It is the responsibility of the end user to ensure that in all cases, the applicable safety standards are applied to provide the proper creepage and clearance requirements, and to comply with the safety certification requirements of the installed MVAC product.
8. Used only in non-tropical conditions.
9. There are a total of 10 M3 inserts for mounting the enclosure:
   6 on the bottom of the chassis (maximum screw penetration of 3mm)
   4 on the side walls maximum screw penetration of 5mm)
10. This product is subject to the following operating requirements and the Life and Safety Critical Application Sales Policy: Refer to:
    http://www.murata-ps.com/requirements/

Murata Power Solutions, Inc.
11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A.
ISO 9001 and 14001 REGISTERED

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