

PSH500A Series Selection Guide				
Model Number	Panel Mount	Enclosed	Input	Output
PSH500A *		•	480 / 277 / 240 / 120 Vac	Five (5) 100 VA ; 24 Vac
PSMN500A *	•		480 / 277 / 240 / 120 Vac	Five (5) 100 VA ; 24 Vac
PSH300A *		•	480 / 277 / 240 / 120 Vac	Three (3) 100 VA ; 24 Vac
PSMN300A *	•		480 / 277 / 240 / 120 Vac	Three (3) 100 VA ; 24 Vac
PSH200A		•	480 / 347 / 277 / 240 / 120 Vac	Five (5) 40 VA ; 24 Vac
PSMN200A	•		480 / 347 / 277 / 240 / 120 Vac	Five (5) 40 VA ; 24 Vac

* Models may be followed by -IC.

Installation

When installing this product...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the product ratings and ensure that the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, perform a voltage check as provided in these instructions.

CAUTION

RISK OF ELECTRICAL SHOCK - MORE THAN ONE DISCONNECT MAY BE REQUIRED TO DE-ENERGIZE THE DEVICE BEFORE SERVICING.

CAUTION

REMOVAL OF COVER OR ACCESS PLATE (IF PRESENT) EXPOSES HIGH VOLTAGE.

Mounting

PSH Style

- Remove front cover
- Mount housing with 4 screws
- Make wire connections
- Reattach cover

PSMN Style

- Mount panel with 4 screws

Alternative:


- Remove PCB from grey track
- Remove track from panel
- Remove transformer from panel
- Remount transformer and track in your panel
- Reinsert PCB into track

Wiring

All wiring must comply with local codes and ordinances. Disconnect power before making wiring connections to prevent electrical shock or equipment damage.

1. Bring wiring into knockouts of the power supply while cover is removed (PSH version).
2. Make appropriate connections to the terminal strips.

Note: All field wire leads are intended for installation inside the enclosure.



PSH500A


To order Housing separately, order model MH3100-M1. To order Power Supply separately, order model PSMN500A.


ENCLOSED ENERGY MANAGEMENT EQUIPMENT
396586J

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Class 2





CAUTION: WHEN ANY VOLTAGE IS APPLIED TO THESE TERMINALS, OTHER TERMINALS BECOME LIVE WITH THEIR DESIGNATED VOLTAGE.

Input Power 60 Hz	480 Vac	24	COM
277 Vac	240 Vac	24	COM
120 Vac	COM	24	COM

OUTPUT 1	24Vac 100VA Class 2	24 COM
OUTPUT 2	24Vac 100VA Class 2	24 COM
OUTPUT 3	24Vac 100VA Class 2	24 COM
OUTPUT 4	24Vac 100VA Class 2	24 COM
OUTPUT 5	24Vac 100VA Class 2	24 COM

Voltage Check

After installation is complete, turn on power supply and perform a voltage check:

1. Place controlled equipment in operation and observe through one complete cycle.
2. Using a voltmeter, check for proper primary and secondary voltages.
3. If voltage readings are incorrect, be sure primary voltage connections are made correctly.
4. Measure voltage again:
 - a. If correct primary voltage is measured and secondary voltage is significantly less than the voltage shown on the regulation curves, transformer winding is damaged. Replace transformer and repeat checkout procedures.
 - b. If primary voltage is 0V, be sure power supply is connected correctly or repair, if necessary. Repeat checkout procedures.

Secondary Output Voltage vs. Load

500VA Models

- 24.0 V @ 1 Amp
- 23.0 V @ 2 Amp
- 21.8 V @ 3 Amp
- 21.1 V @ 4 Amp

- With 240 Vac primary input voltage
- When all 5 outputs operated simultaneously, at room temperature

300VA Models

- 24.5 V @ 1 Amp
- 23.5 V @ 2 Amp
- 22.8 V @ 3 Amp
- 22.3 V @ 4 Amp

- With 120 Vac primary input voltage
- When all 3 outputs operated simultaneously, at room temperature