EATON | Powerware

Powerware® 9125 2500/3000 PowerPass® PDM

Product Focus

Product Snapshot

Power Rating:	2500–3000 VA
Voltage:	120–240 Vac
Frequency:	50–60 Hz
Configuration:	Plug and Play and Hardwire

Features

- Maintenance Bypass Switch to perform maintenance or upgrade your UPS without powering down your critical systems
- Expanded receptacle and hardwire configurations
- Galvanic isolation for increased protection
- Step-down transformer allows power output of 120V and a combination of 120V and 208V – 240V

The Powerware 9125 2500/3000 PowerPass is a power distribution module (PDM) designed to enhance the flexibility of the Powerware 9125 2500 & 3000 VA UPS. The PowerPass enables you to upgrade or replace the UPS while continuously providing power to your critical equipment.

With the Powerware 9125, Eaton delivers a best-in-class power solution for maximum system availability and peace of mind. Use the questions in this guide to correctly specify a Powerware 9125 2500/3000 PowerPass Module.

Incoming Utility Voltage

1. What is the voltage of the incoming utility: 120, 208, 220, 230 or 240 volts?

Note: For most U.S. facilities the incoming utility is 120V, 208V or 240V.

Input Voltage(s) Required

2. What is the specified input voltage of the equipment to be protected?

a. Your UPS requires a PowerPass if:

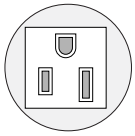
- The specified input voltage is a combination of 120V with 208V – 240V
- A maintenance bypass is required
- A hardwire connection is specified (See section 5d)
- Your UPS system requires galvanic isolation

b. Your UPS may not require a PowerPass if the equipment specified input voltage is 208V – 240V.

Type	No. Required
☐	5–15R
☐	5–20R
☐	L5–30R
☐	L6–30R
☐	L14–30R
☐	EC–320

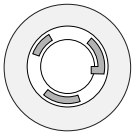
3. What are the receptacle types required for the equipment to be protected? How many receptacles are specified?

If your application requires hardwire installation, skip to section 5.

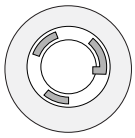


5–15R

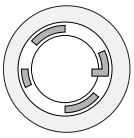
5–20R



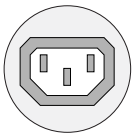
L5–30R



L6–30R



L14–30R



IEC–320

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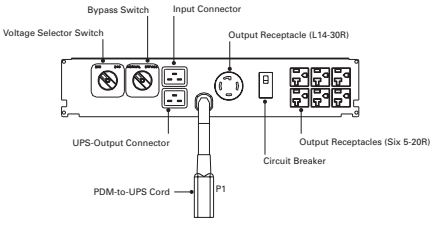
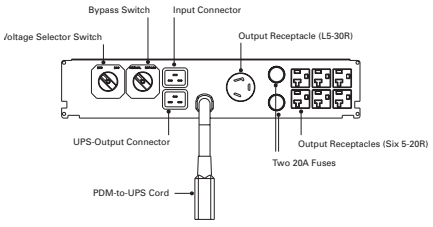
4. Using the information compiled, select the appropriate PowerPass for your Powerware 9125 2500/3000 UPS application.

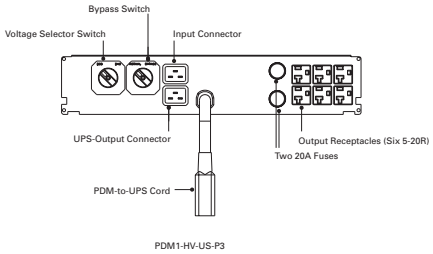
a. If incoming utility is 208, 230 or 240V and protected equipment requires 120, 208, 230 or 240V input, choose from these options:



208V or 240V and 120V Output (Transformer)
Part Number 103002739–5501
Model Number PDM1–HV–US–P1

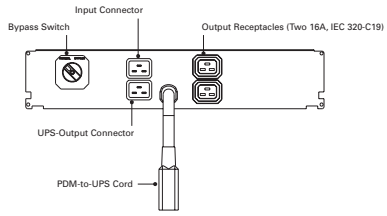


120V Output (Transformer)
Part Number 103002730–5501
Model Number PDM1–HV–US–P2

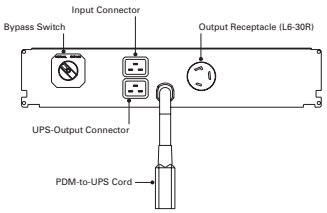


120V Output (Transformer)
Part Number 103002731–5501
PDM1–HV–US–P3

b. If incoming utility is 208V, 230V or 240V and protected equipment requires 208, 230 or 240V input, choose this PowerPass:



208V, 230V or 240V Output
Part Number 103002740–5501
Model Number PDM2–HV–EU–P2



208V or 240V Output
Part Number 103002733–5501
Model Number PDM2–HV–US–P1

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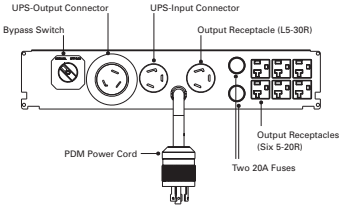
c. If incoming utility is 120V and protected equipment requires 120V input, choose this PowerPass:



120V Output
Part Number 103002742–5501
Model Number PDM2–LV–US–P1

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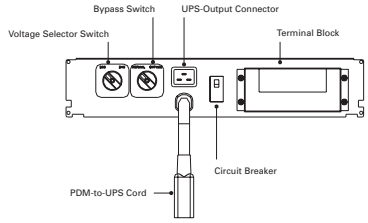
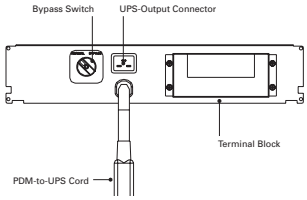
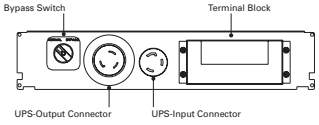
5. If hardwire is specified, choose from these options:



208V or 240V Hardwire Input
208V or 240V and 120V Hardwire Output
(Transformer)
Part Number 103002732–5501
Model Number PDM1–HV–US–HW



208V, 230V or 240V Hardwire Input
208V, 230V or 240V Hardwire Output
Part Number 103002734–5501
Model Number PDM2–HV–US–HW



120V Hardwire Input
120V Hardwire Output
Part Number 103002735–5501
Model Number PDM2–LV–US–HW

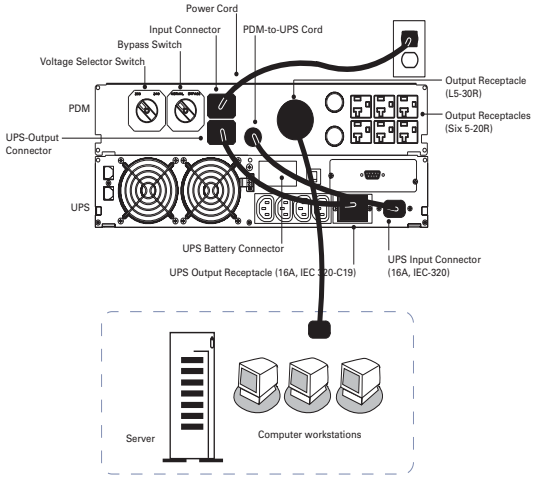
Technical Specifications[1]

	PDM1 Models	PDM2 Models
Dimensions (HxWxD) in/cm	3.5 x 17.0 x 23.9	8.9 x 43.2 x 60.7
Weight (lb/kg)	76.0 / 34.5	20.0 / 9.0
Overcurrent Protection Fuses	Two 20 A Fuses PDM1–HV–US: Two 20 A fuses PDM1–HV–US–P1 and PDM1–HV–US–HW: 15 A circuit breaker	PDM2–LV–US–P1: Two 20 A fuses
Isolation Transformer	3 kVA: 208–240V Switch Selectable; 120/208–240V Output	None
Bypass Switch	30 A, 600V	30 A, 600V
Operating Temperature	0ºC to 40ºC (32ºF to 104ºF)	0ºC to 40ºC (32ºF to 104ºF)
Storage Temperature	–22ºC to 55ºC (–7ºF to 131ºF)	–22ºC to 55ºC (–7ºF to 131ºF)
Relative Humidity	5 – 95% noncondensing	5 – 95% noncondensing
Safety Conformance	UL 1778 CAN/CSA C22.2, No. 107.1, 107.2; NOm–019–SCFI PDM2–HV–EU–P2: EN 50091–1–1, IEC 950	UL 1778 CAN/CSA C22.2, No. 107.1, 107.2
Agency Markings	UL, cUL PDM2–HV–EU–P2: NEMKO only	UL, cUL PDM2–HV–EU–P2: NEMKO only
EMC (Class A)	FCC Part 15 Class A, ICES–003	EN 50091–2, FCC Part 15 Class A, ICES–003

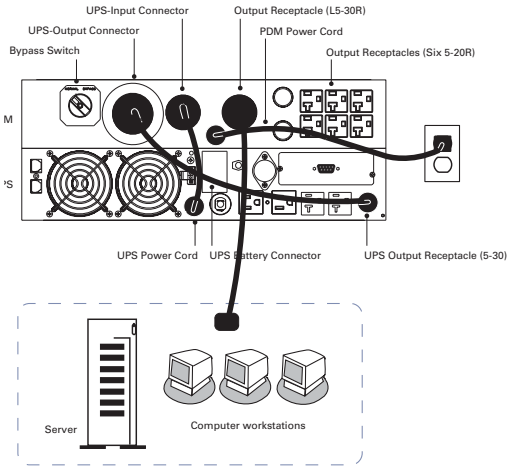
1. Specifications typical and subject to change without notice

Powerware 9125 2500/3000 PowerPass Solution

Typical High Voltage Installation



Typical Low Voltage Installation



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