

Powerpass Primer Prestige 6000

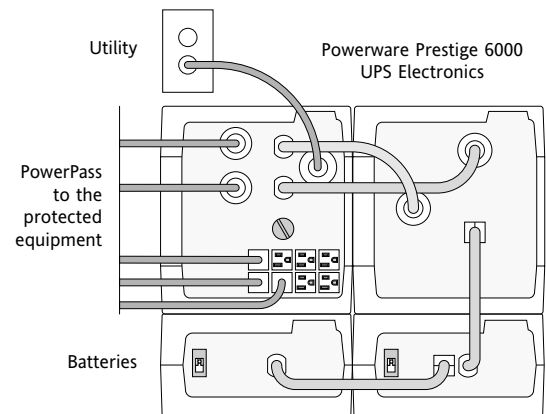
Features

Optional PowerPass modules further enhance the reliability of the Powerware 9 Prestige by providing the following:

- ▶ Maintenance Bypass Switch to perform maintenance or upgrade your UPS without powering down your critical systems
- ▶ Surge protection in the absence of the UPS electronics module during maintenance
- ▶ Various receptacle or hardwired configurations
- ▶ Increased surge protection for your load
- ▶ Galvanic isolation for increased protection
- ▶ A transformer that allows power output of 120V and a combination of 120V and 208V-240V



The **Powerware Prestige 6000 UPS** can be connected to your equipment via a plug-and-play PowerPass or a hardwire PowerPass (Hardwire is a direct connection from the utility distribution panel to the UPS). Use the questions in this guide to determine the need for or to correctly specify a Powerware Prestige 6000 PowerPass Module.



1. What is the voltage of the incoming utility: 200, 208, 220, 230 or 240 volts?

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

1. _____

Incoming Utility Voltage

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

2. _____

a. Your UPS requires a PowerPass if:

- ▶ the specified input voltage is a combination of 100V-120V with 200V-240V.
- ▶ a maintenance bypass is required.
- ▶ a hardwire connection is specified. See section 4c.
- ▶ your UPS system requires galvanic isolation.

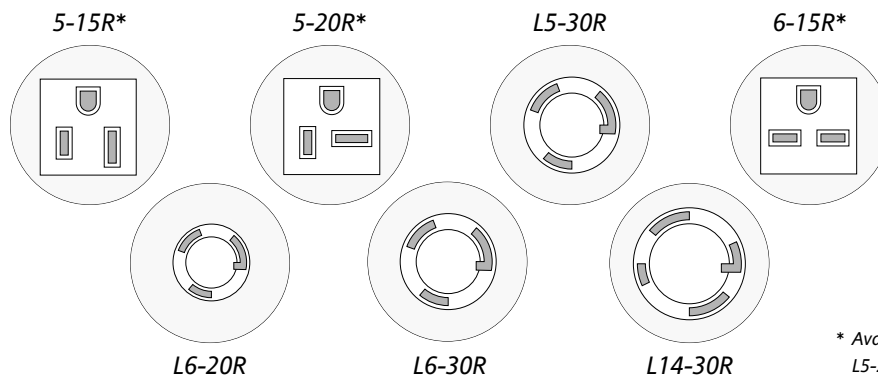
Input Voltage(s) Required

b. Your UPS may not require a PowerPass if the specified input voltage is 200V-240V.

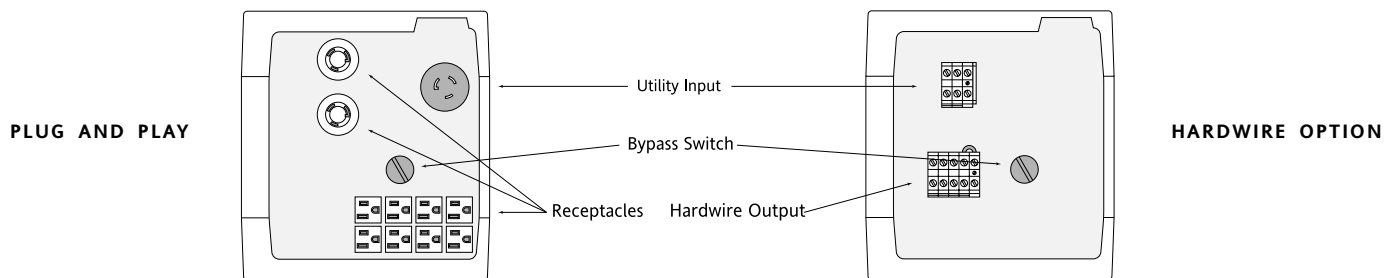
3. What are the receptacle types required for the equipment to be protected? How many receptacles are specified? See sections 6 and 7 for additional receptacle options.

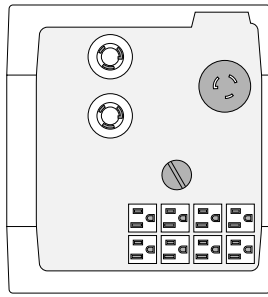
3. Type No. Required

- | | |
|----------------------------------|-------|
| <input type="checkbox"/> 5-15R* | _____ |
| <input type="checkbox"/> 5-20R* | _____ |
| <input type="checkbox"/> L5-30R | _____ |
| <input type="checkbox"/> 6-15R* | _____ |
| <input type="checkbox"/> L6-20R | _____ |
| <input type="checkbox"/> L6-30R | _____ |
| <input type="checkbox"/> L14-30R | _____ |
| <input type="checkbox"/> IEC-320 | _____ |

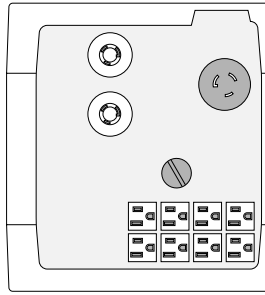


* Available on the EPDM as a locking type receptacle; L5 15R, L5-20 and L6-15R. The 5-20R and 6-15R receptacles are available on the EPDM only. See section 5.

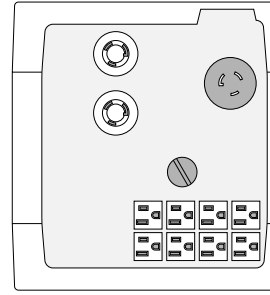




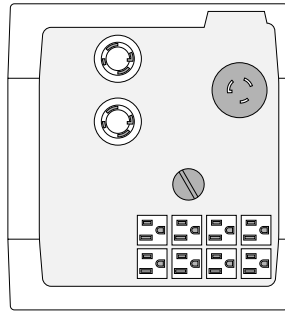
PPDM A
(2) L5-30R; (8) 5-15R



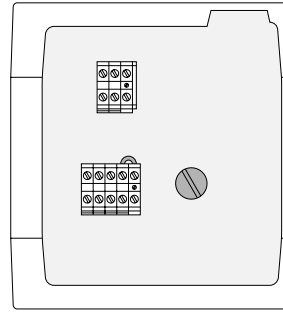
PPDM B
(2) L6-20R; (8) 5-15R



PPDM C
(2) L6-30R; (8) 5-15R



PPDM D
(2) L14-30R; (8) 5-15R



PPDM E
Hardwire

4. Using the information compiled on the opposite page, and the illustrations above, choose the appropriate PowerPass for your Prestige 6000 UPS application.

- a. If incoming utility is 208V, choose from these options:

UPS OUTPUT	PPDM	PART NUMBER
120V Output (2) L5-30R	A	101711106-001
120V and 208V Output (2) L6-20R	B	101711106-002
120V and 208V Output (2) L6-30R	C	101711106-003
120V and 240V Output (2) L14-30R	D	101711106-004

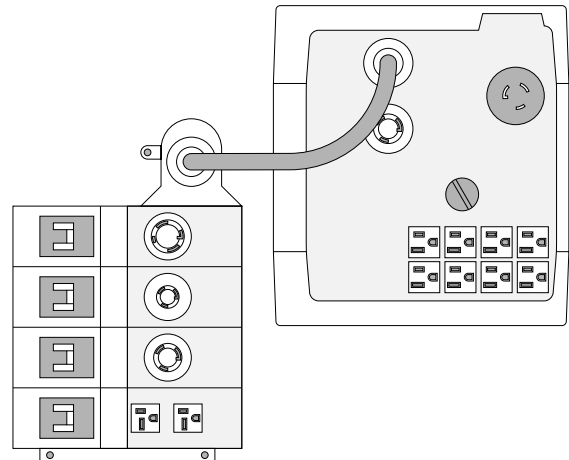
- b. If incoming utility is 200V, 220V, 230V or 240V choose from these options:

UPS OUTPUT	PPDM	PART NUMBER
100V–120V Output (2) L5-30R	A	101711106-005
100V–120V and 200V–240V Output (2) L6-20R	B	101711106-006
100V–120V and 200V–240V Output (2) L6-30R	C	101711106-007
100V–120V and 200V–240V Output (2) L14-30R	D	101711106-008

- c. If a hardwire configuration, choose from these options:

UPS OUTPUT	PPDM	PART NUMBER
120V and 208V Output	E	101711105-001
120V and 240V Output	E	101711105-002
120V and 240V Output (50Hz)	E	101711105-003

5. If the PowerPass options above do not match your application, call your help desk or your value-added distributor for additional options. Options like the *Extended Power Distribution Module* (EPDM) figured below. The EPDM features customizable receptacle options with breakers and mounting options.



Specifications

INPUT

Nominal Input Voltage	Single phase with floating or grounded neutral; Model 208: xxx PowerPass: 208 Vac or 220 Vac (split phase, 60 Hz only); Model 240: xxx PowerPass: 200 Vac, 220 VAC, 230 Vac, 240 Vac
Input Voltage Range	170 – 276 Vac
Overvoltage and Undervoltage Limits for Automatic Bypass (Nominal Values)	Overvoltage: 113% of inverter set point Undervoltage: 80% of inverter set point; Determined by PPU
Nominal Input Frequency	50 – 60 Hz
Operating Input Frequency Range	45 – 65 Hz
Inrush Current	300A or less for 1 cycle
Overcurrent / Input Protection	Input Supplementary Circuit Breaker
Backfeed Protection	All-pole break
Input Power Factor (@ full load and nominal line)	> 0.90; 0.95 typical

OUTPUT

Nominal Output Voltages	100/200 Vac; 110/220 Vac; 115/230 Vac; 120/208 Vac; 120/240 Vac; 127/220 Vac
Maximum Output Current	25 Amperes
Maximum Output Apparent Power	6000 @ 240V output 5750 @ 230V output 5500 @ 220V output 5200 @ 208V output 5000 @ 200V output
Nominal Output Frequency	50 or 60 Hz
Line Synchronization Range	± 3 Hz
Current Crest Factor	3:1 acceptable; Transformer impedance may reduce crest ratio
Transient Response (RMS)	± 10%
Steady State Voltage Regulation	± 3%

GENERAL

Electromagnetic Interference	EN50091-2 CISPR22-A (EN55022 Class A) IEC801-2 ESD level 3 IEC801-3 RES level 2 IEC801-4 EFT level 2 IEC 1000-2-2 / 1000-4-1 (Immunity to low frequency signals) FCC Part 15 (Class A) > 60 dB @ 100 kHz > 80 dB @ 100 kHz
Noise Attenuation: Common Mode Rejection	Up to 5% of input current
Noise Attenuation: Transverse Mode Rejection	UL 1778 and corresponding cUL
Earth Ground Leakage Current	EN60950; EN50091-1
Agency Listings / Compliances	CE Mark (specific models only)
Input/Output Connections, Plug-and-Play Models	Output connections (depending on model) 5-15R, 5-20R, L5-30R, L6-20R, L6-30R or L14-30R
Input/Output Connections, Hardwire Models	Hardwire terminal block

ENVIRONMENTAL

Operating Temperature; Normal	15°C – 30°C
Operating Temperature; Minimum/Maximum	10°C – 40°C
Storage Temperature	–20°C – 60°C
Elevation	0 – 1230 meters (4000 feet) without derating
Relative Humidity (Noncondensing)	5% – 95%
Heat Dissipation @ Full Load Online	Approximately 2800 BTU/hour
Heat Dissipation @ Full Load On Battery	Approximately 3500 BTU/hour
Cooling	Forced Air

MECHANICAL

Dimensions	10" h x 11.1" w x 15.75" d 254mm h x 281.9mm w x 400mm d
Weight	82 lb.; 37 kg
Shipping Weight	87 lb.; 40 kg

* Specifications subject to change without notice.

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