

Powerpass Primer Prestige 6000

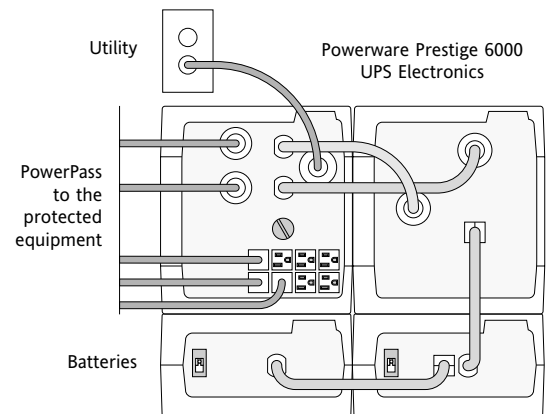
Features

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.



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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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?

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.

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

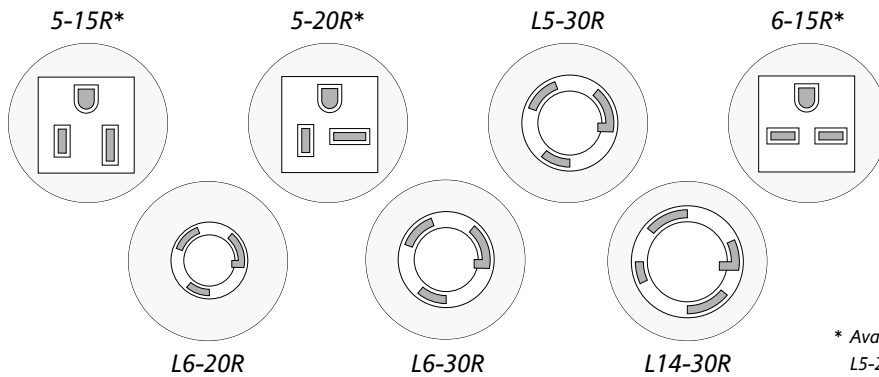
2. _____

Input Voltage(s) Required

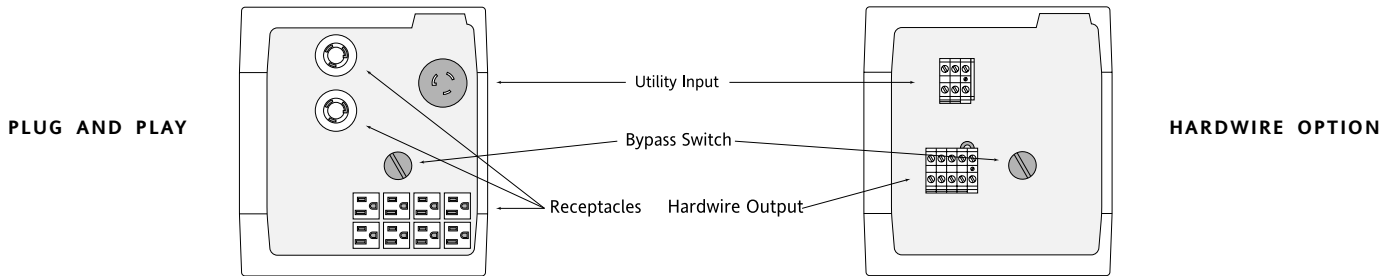
3. What are the receptacle types required for the equipment to be protected? How many receptacles are specified? See sections 6 and 7 for additional receptacle options.

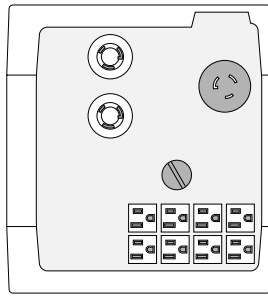
3. Type No. Required

- 5-15R* _____
- 5-20R* _____
- L5-30R _____
- 6-15R* _____
- L6-20R _____
- L6-30R _____
- L14-30R _____
- IEC-320 _____

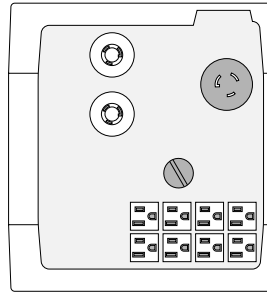


* Available on the EPDM as a locking type receptacle; L5 15R, L5-20 and L6-15R. The 5-20R and 6-15R receptacles are available on the EPDM only. See section 5.

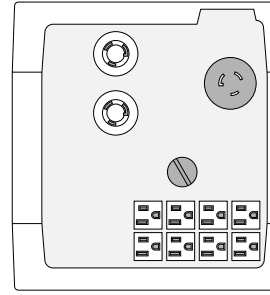




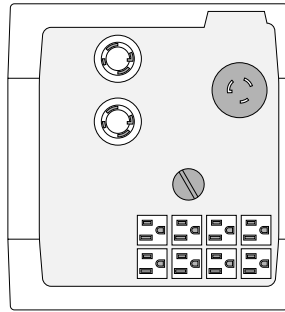
PPDM A
(2) L5-30R; (8) 5-15R



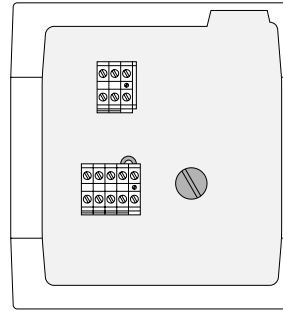
PPDM B
(2) L6-20R; (8) 5-15R



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.

