

Powerware 5140 Technical Specifications

ELECTRICAL INPUT

Voltage	200, 208, 220, 230 and 240 Vac user selectable; see Model Selection Guide for default settings
Nominal Voltage Range	+/-20% of nominal voltage without using batteries
Extended Voltage Range	160 - 288V without using batteries (set via front panel)
Frequency	50/60Hz, +/-3 Hz (+5/-3 Hz with extended voltage range)
Connection	Hardwired
Efficiency	96%

ELECTRICAL OUTPUT

Power Out	6000 VA/6000Watts
Voltage Range (online)	+/-10% of nominal voltage
Voltage Range (on battery)	+/-5% of nominal voltage
Wave Form (on battery)	Sine Wave
Frequency	Same as input (+/-0.5% during battery operation)
Connections	Receptacles or hardwired; see Model Selection Guide
Maximum Current	29A at 208 Vac; 26A at 230 Vac
Output Protection	Resettable circuit breakers

BATTERY

Type	Maintenance-free, sealed, valve-regulated lead-acid (VRLA), (28), 12V 5Ah
Extended Batteries	<Maximum of 2 Extended Battery Modules (EBMs)
Backup Time	See Battery Run Times Table
Recharge Time	<3 hours to 80% usable capacity
Extended Battery Recharge Time	<10 hours to 80% usable capacity

COMMUNICATIONS

Serial Ports	(2) Serial communication ports for use with power management software and installable option cards, including ConnectUPS SLC-EM SNMP Adapter and the Port Expander Card User LEDs Normal Operation (green), On Battery (yellow), On Bypass (yellow), and Alarm (red)
LCD	Two-line LCD with three button control
LCD Languages	Danish, Dutch, English, French, German, Spanish, Italian, and Japanese
Front Panel Buttons	On, Off, and Alarm Silence/Self Test
Communication Cable	6-foot communication cable included

ENVIRONMENTAL AND SAFETY

Operating Temperature	10°C to 40°C (25°C for optimal performance)
Transit Temperature	-20°C to 55°C
Storage Temperature	0°C to 25°C
Humidity (Operation)	20 to 80% (noncondensing)0
Humidity (Non-operating)	5 to 95%
Operating Altitude	0 to 10,000 feet (non-operating: 0 to 30,000 feet)
Audible Noise	55 dBA at 1 meter
Safety Markings	UL, CSA, NOM, Models PW5140 6000i and PW5140 6000 HW also CE and VDE
Safety Certifications	UL1778; CSA22.2 No. 107.2, No.107.2, No. 950; CB Bulletin No.86A1; EN50091-1; EN60950; EMKO-TSE207/95;

EMC Markings
Immunity
Surge Suppression
REPO Port

NOM-019-SCFI-1993
FCC-A, CISPR-A; VCCI
IEC 801-2, IEC 801-3, IEC 801-4, IEC 801-5
Conforms to IEEE 587B and ANSI C62.41
Meets NEC code 645-11 intent and UL requirements

* Due to continuing product improvement programs,
specifications subject to change without notice

Model Selection Guide

Model Number	Power Out (VA/Watt)	Input Voltage (VAC)	Frequency (Hz)	Input Connection	Output Receptacles	Dimensions (H x W x D)	Weight (KG/LB)
PW5140 6000i	6000/6000	208/230 ²	50/60 ³	Hardwired	(12) IEC-320, C13 & (3) IEC-320, C19 ⁴	10.5 x 17.25 x 24.3 in/ 26.7 x 43.8 x 61.7 cm	136/300 ⁶
PW5140 6000	6000/6000	208/230 ²	50/60 ³	Hardwired	(2) L6-30R & (2) IEC-320 ⁵	10.5 x 17.25 x 24.3 in/ 26.7 x 43.8 x 61.7 cm	136/300 ⁶
PW5140 6000 HW	6000/6000	208/230 ²	50/60 ³	Hardwired	Hardwired and (2) IEC-320 ⁵	10.5 x 17.25 x 24.3 in/ 26.7 x 43.8 x 61.7 cm	136/300 ⁶
PW5140 BATT					Custom Adapter	5.25 x 17.25 x 22.5 in/13.3 x 43.8 x 57.2 cm	81.6/180
PW5140 PDU7			50/250	12060	Custom Adapter(2) 5-15R	1.98 x 19.28 x 9.90 in/ 5.03 x 48.97 x 25.15 cm	8.6/19

- 1) 119-inch wide front panel with a 17.25-inch wide chassis; depth does not include front panel (0.5 inches). All models ship with rail mounting kit.
- 2) 208/230 Vac auto-sensing default. User selectable via LCD interface for 200, 208, 220, 230, and 240 Vac
- 3) Automatic frequency synchronization.
- 4) Divided into 5 Load Segments.
- 5) Divided into 2 Load Segments; IEC-320 receptacles are used to connect optional PW5140 PDU.
- 6) Shipping weight is 325 pounds (147 kg)
- 7) Sidewall design occupies 0U of rack space.