

Features

- ▶ Unobtrusive design
- ▶ LED indicators and audible alarms warn of power problems and low battery conditions
- ▶ User-replaceable battery
- ▶ Cold-start capability
- ▶ Complete offering of power management software included to ensure data integrity
- ▶ Data line protection
- ▶ Triple Power Warranty (US and Canada)
 - 5-year pro-rated warranty (2 years inclusive)
 - 60-day money back guarantee
 - \$25,000 load protection guarantee

Powerware® 3110



Product Snapshot

Rating: 250 – 600 VA
Voltage: 120V and 230V
Frequency: 50/60 Hz auto-sensing
Configuration: Plug and Play

A dynamic innovative solution for the changing global customer landscape

Power problems such as surges and outages are the number one cause of data loss. Protect your office from the most common power problems, including spikes, surges, sags, noise, and power outages, with the Powerware 3110. Ideal for PC-based applications in the 250 VA – 600 VA range, the Powerware 3110 provides affordable protection in a sleek, well-designed unit that easily fits under the desk, or in a wall-mounted version.

The Powerware 3110 comes with four uninterruptible power and surge suppression outlets, plus two with surge suppression only and spacing for transformer block plug-in, enough to protect all the critical equipment in the office. The Powerware 3110 charges the battery regardless of whether the unit is turned on or not, as long as it is plugged into a live power outlet, maximizing battery availability. The Powerware 3110's LED

indicators and audible alarms warn of power problems and low battery conditions.

With the Powerware Power Management Software Suite, the Powerware 3110 features graceful shutdown to keep your data safe and your equipment free from damage, whether you're there or not.

Powerware 3110 Specifications¹

Voltage	120V						230V						
Models	PW3110 250VA	PW3110 425VA	PW3110 600VA	PW3110 250iVA	PW3110 425iVA	PW3110 600iVA							
Part Numbers	05147438-5501	05147440-5501	05147442-5501	05147439-5501	05147441-5501	05147443-5501							
Capacity(VA/Watt)	250/168	425/285	600/400	250/168	425/285	600/400							
Dimensions W x H x L (inches)	5.9 x 2.3 x 15.5	6.8 x 3.1 x 14.8		5.9 x 2.3 x 15.5	6.8 x 3.1 x 14.8								
(mm)	150 x 59 x 393	172 x 79 x 376		150 x 59 x 393	172 x 79 x 376								
Weight (lbs)	6.6	9.2	9.4	6.6	9.2	9.4							
(kg)	3.0	4.2	4.3	3.0	4.2	4.3							
Input Connection	NEMA 5-15P			C14 (10amp) recessed socket*									
Output Receptacle Quantity & Type	4 (UPS & Surge) + 2 (Surge only) NEMA 5-15R			4 (UPS & Surge) + 2 (Surge only) C13 (10 amp)									
Typical Runtime: Minutes (Full Load)	3	3	2.5	3	3	2.5							
Operation													
Nominal Input Voltage	120 Volts AC (maximum 160 volts)						230 Volts AC (maximum 290 volts)						
Input Voltage Range (for on-line operation)	90-152 Volts						176-272 Volts						
Operating Frequency (on line)	50/60 autosensing based on input frequency						50/60 autosensing based on input frequency						
Nominal Output Voltage	120 VAC						230 VAC						
Overload Capacity	120% ± 10% (3 minutes on line mode, 10 seconds on battery)						120% ± 10% (3 minutes on line mode, 10 seconds on battery)						
Transfer Time	6 ms typical						6 ms typical						
On-Battery Voltage	120Vrms ± 10%						230Vrms ± 10%						
Operating Frequency	50/60 Hz ± 3Hz autosensing						50/60 Hz ± 3Hz autosensing						
Output Voltage Waveform	Regulated step wave						Regulated step wave						
Output Protection	Electronically limited						Electronically limited						
Input Protection	Circuit breaker						Circuit breaker						
Recharge Time (to 95% capacity)	8 hours maximum						8 hours maximum						
Lightning & Surge Protection	ANSI/IEEE C62.41 categories A & B, IEC61000-4-4,5						ANSI/IEEE C62.41 categories A & B, IEC61000-4-4,5						
Surge Energy Capacity	450 Joules						450 Joules						
Efficiency	>95% on line						>95% on line						
Safety Certification	UL1778, UL498, UL497A, CAN/CSA 22.2 No. 107.1						EN50091-1; CE low voltage directive						
EMI Compliance	FCC Class B						EN55022, Class B; CE EMC directive						
Communications	DB-9, Contact Closure						DB-9, Contact Closure						
Data Line Protection	fax/modem, network, telephone						fax/modem, telephone only (do not connect network equipment)						
Indicators	On line/Utility fail/Overload/Replace battery						On line/Utility fail/Overload/Replace battery						
Audible Alarms	Utility fail/Overload/Replace battery						Utility fail/Overload/Replace battery						
Environmental													
Operating Temperature	0-40° (32 to 104° F)						0-40° (32 to 104° F)						
Storage Temperature	-15 to 50°C (5 to 122° F)						-15 to 50°C (5 to 122° F)						
Relative Humidity	0-95% non-condensing						0-95% non-condensing						
Audible Noise (normal operation)	<40 dbA						<40 dbA						
Altitude	10,000 ft. (3,000m)						10,000 ft. (3,000m)						
Powerware 3110 Runtimes for Typical Applications in Minutes													
Load (VA)	75	110	120	160	200	250	310	360	400	450	500	550	600
250VA	18	12	11	7	4.5	3	-	-	-	-	-	-	-
425VA	43	28	26	18	14	9	5.5	4.5	4	-	-	-	-
600VA	62	39	34	24	19	15	11	9	8	7	5.5	4.5	2.5

1. Due to continuing improvement programs specifications are subject to change without notice.

* 230V models include one jumper cord C13 and C14 type connectors.

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