



Topology	240 168-276					
Voltage Range (VAC)	168-276					
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Voltage Tolerance + 15% ~ -30% before switching to batteries Frequency (Hz) 50/60 Frequency Tolerance 42 Hz to 69 Hz before switching to batteries Input PF > 0.95 Input Current THD < 5.0% Input Connection Hardwired Standard; Line Cord Optional (Consult factory) Input Capacity 4320 VA Capacity 4000VA/ 3600W						
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Input Current THD < 5.0% Input Connection Hardwired Standard; Line Cord Optional (Consult factory) Input Capacity 4320 VA Capacity 4000VA/ 3600W						
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Voltage (VAC) 200 120/208/240 220 230	120/208/240					
	± 3.0% Max, ± 1.0% Normal					
Output Voltage THD < 3.0%						
	0.9					
	± 4.0% for 50% step load change					
	± 6.0% for 100% step load change					
Return to ±3.0% of nominal within 3 cycles	Return to ±3.0% of nominal within 3 cycles					
	3:1					
5 Frequency (Hz) 50/60	50/60					
Frequency Regulation ± 0.1Hz	± 0.1Hz					
	125% for 2 minutes					
	150% for 30 seconds					
	300% for 500ms					
	AC-AC >85.0%					
	DC-AC >78.0% < 0.5 VRMS					
	< 0.5 VRIMS Hardwired Standard; Output Receptacles Optional (Consult factory)					
Output Connection Hardwired Standard, Output Neceptacies Optional (Consult factory)	That united Standard, Output neceptables Optional (Consult factory)					
Input Voltage (VAC) 200 208 220 230	240					
Output Voltage (VAC) 200 120/208/240 220 230	120/208/240					
	120/200/210					
Regulation	20.070					
Transformer Voltage ± 3.0% Regulation Overload 125% for 10 minutes	125% for 10 minutes					
150% for 500ms						
	1000% for 1 cycle					
Efficiency > 95.0%						



	Voltage (VDC)	96.0, nominal				
	9 - (/	109.2. float				
≿	Battery	12V, 34W flame retardant				
H H	Ballory	High Rate, Sealed Lead-Acid				
BATTERY	Quantity	16				
Ϋ́	Charge Current (ADC)	3.0				
ш	Backup Time (min)	> 8.0				
	Recharge Time	8 Hours to 90%				
	T					
_	Temperature (°C)	0 to 40, operating				
l z		-20 to 60, transit				
₩	Altitude (m)	2,000, operating				
Į₹		12,000, transit				
1 S	Humidity	5.0% to 90.0%, non condensing				
ENVIRONMENT	Audible (dBA)	50-55 @ 1m from front of unit				
	Heat Dissipation (BTU/hr)	3252				
-						
	EMC	FCC Part 15J Class A				
		EN 55022 Class A/ CISPR 22				
		EN 50091-2				
		IEC 61000-3-2				
	Safety Agencies	UL1778 4 th Ed.				
	, ,	cUL to CSA22.2 No.107.1				
ES		CE:				
$\overline{\mathbf{c}}$		IEC62040, w/CB report and certificate				
		IEC61000-4-2, Electrostatic Discharge				
AGENCIES		IEC61000-4-3, Radiated Electromagnetic Field Immunity				
⋖		IEC61000-4-4, Electrical Fast Transient/ Burst Immunity				
		IEC61000-4-5, Surge Immunity				
		IEC61000-4-6, Immunity to Conducted Radio Frequency Disturbances				
		IEC61000-4-8, Power Frequency Magnetic Field Immunity				
		IEC61000-4-11, Voltage Dips, Short Interruptions, and Voltage Variations				
	RoHS	All units are RoHS compliant				
	1.6.16	The diffe die Herrie Compilation				
	Communication	RS-232				
		USB				
		DB-9 Dry Contacts				
œ		Internal SNMP Adapter (option)				
甲		moma orum risapior (option)				
ОТНЕВ						
0	Unit Weight	317 lbs. / 143 kg.				
	Shipping Weight	412 lbs. / 185 kg.				
L	Plug & Receptacle*	L6-30P (2)5-20R (1)L6-30R				
*****	ive unit is standard Dlug 9 Des	entacle is ontional. Contact factory for part numbers				

^{*}Hardwire unit is standard. Plug & Receptacle is optional. Contact factory for part numbers.

NOISE REJECTION-ISOLATION: With unit under power and an ANSI/IEEE C62.41Cat. A pulse applied either normal or common mode at the input, the noise output voltage will be less than 10V normal mode and less than 0.5V common mode in all four quadrants (CM-NM, NM-NM, CM-CM, NM-CM).

SURGE VOLTAGE WITHSTAND CAPABILITY: Tested under power to ANSI/IEEE C62.41 Cat. A & B (formerly IEEE587-1980). Cat. A - 6000V @ 200 amps, 0.5 usec risetime, 100 kHZ decay, Cat. B - 6000V @ 500 amps, 0.5 usec risetime, 100 kHZ decay.



Compatible External (Extended Run) Battery Cabinets:

Model: D9632-22 Description: 4 Pack (32 Batt) Extended Run Battery Cabinet Model: D9648-22 Description: 6 Pack (48 Batt) Extended Run Battery Cabinet

ABCDEF4000-22 TYPICAL RUN-TIMES (MINs)						
	25% (900 W)	50% (1800 W)	75% (2700 W)	100% (3600 W)		
Internal Batteries Only	25	17	11	8		
Internal + 1) D9632-22	120	75	50	35		
Internal + 2) D9632-22	250	150	100	75		
Internal + 3) D9632-22	375	220	150	110		
Internal + 4) D9632-22	550	325	210	160		
Internal + 5) D9632-22	>12 Hrs	425	275	210		
Internal + 1) D9648-22	170	110	75	55		
Internal + 2) D9648-22	375	220	150	120		
Internal + 3) D9648-22	625	375	250	185		
Internal + 4) D9648-22	>12 Hrs	525	350	275		
Internal + 5) D9648-22	>12 Hrs	>12 Hrs	475	350		

Notes: Run-Times are based on new fully charged batteries at 25 deg C ambient.

Battery Life Disclaimer: POWERVAR's standard battery warranty applies only to UPS and UPM products which are continuously connected to AC mains power, except during utility power outages. Products which are regularly and intentionally disconnected from AC mains power will experience battery discharge/charge cycles potentially far more numerous than those for which the battery was designed. As a result, products used in such applications will experience substantially reduced battery life. For that reason, POWERVAR's standard battery warranty does not apply for applications in which the UPS or UPM product is regularly and intentionally disconnected from AC mains power. POWERVAR UPS and UPM products used in such applications shall receive a 90 day warranty on batteries.

Warranty/Support: POWERVAR warrants the electronics and transformers used in its uninterruptible power supplies to be free from defects in materials and workmanship for a period of three years from the date of shipment. Batteries are warranted for a period of two years from the date of shipment for standby use; 90 days for cyclic use. For North American service or support on any POWERVAR product, please contact POWERVAR Technical Support at (800) 369-7179 (in Illinois call (847-596-7000). For service and support in EMEA, contact POWERVAR, Ltd. in the United Kingdom at +44 (0) 1793 553980. Or visit the POWERVAR website at **www.powervar.com**.

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