

Powerware® Plus 36 On-line Uninterruptible Power System

MODEL 24kVA/16kW	200/115, 208/120, 220/127
MODEL 36kVA/24kW	200/115, 208/120, 220/127



BATTERY BACK-UP TIMES (IN MINUTES)			
Output Watts	1 Batt. Cab.	2 Batt. Cab.	3 Batt. Cab.
8000	30	80	128
9000	25	72	110
10000	22	65	98
11000	20	57	88
12000	18	50	78
13000	15	45	70
14000	14	40	62
15000	13	35	56
16000	12	30	50
17000	11	27	47
18000	10	24	43
19000	9	22	40
20000	8	20	37
21000	7	18	35
22000	6	17	33
23000	5	16	31
24000	5	15	30

Ideal for networks, computer rooms and small facilities, Exide Electronics' Powerware Plus 36 on-line uninterruptible power systems (UPS) offer the most flexible range of power protection available.

Data processing equipment, industrial controls and sensitive electronics require continuous protection from utility degradation and outages. The Plus 36 UPS provides the on-line performance and reliability necessary for that protection.

Exide Electronics' Plus 36 is tailored to meet the requirements of your application. External battery connections are built-in for customized long-term power protection.

Combine the Powerware Plus 36 with Exide Electronics' OnliNet® software for complete network power management. With OnliNet, you can view power conditions and solve power problems from any network workstation.

Other features of the Plus 36 include:

- LCD display
- SNMP compatibility
- Fully automatic bypass
- On-site start-up and service
- Extended battery options
- Remote monitoring capabilities

Whether you have a distributed network, centralized computing, or some combination of the two, the Plus 36 gives you the most reliable, complete power management across all computing levels.



Powerware® Plus 36										
Nominal Voltage ¹ Input Voltage			MODEL 24				MODEL 36			
			Max.	Nominal	Maximum Rated Current Per Phase		Max.	Nominal	Maximum Rated Current Per Phase	
Input	Output	Range	kVA	kW	Input ²	Output	kVA	kW	Input ²	Output
115/200	115/200	176-253	23.1	16	58A	67A	34.5	24	87A	100A
120/208	120/208	176-253	24.1	16	56A	67A	36	24	84A	100A
127/220	127/220	176-253	23.6	16	53A	62A	35.8	24	79A	94A
Powerware® Plus 36 HV										
220/380	220/380	323-552	23.8	16	35A	36A	35.6	24	53A	54A
220/380	120/208	323-552	24.1	16	35A	67A	36	24	53A	100A
230/400	230/400	340-485	24.2	16	34A	35A	35.9	24	51A	52A
230/400	120/208	340-485	24.1	16	34A	67A	36	24	51A	100A
240/415	240/415	353-500	23.8	16	32A	33A	36	24	49A	50A
240/415	120/208	353-500	24.1	16	32A	67A	36	24	49A	100A
277/480	277/480	410-580	24.1	16	28A	29A	35.7	24	42A	43A
277/480	120/208	410-580	24.1	16	28A	67A	36	24	42A	100A

¹ Nominal input/output voltage, phase and frequency must be equal for bypass operation.

² Input and output current s are approximately the same when the load is powered through the bypass.

Powerware® Plus 36		SPECIFICATIONS †
INPUT		
Frequency Range	45 – 65 Hz, 380 – 420 Hz	
Surge Protection	Meets IEEE 587/ANSI C62.41 Category A & B	
Power Factor	0.95 Typical	
OUTPUT		
Voltage Regulation	Typically < ±2%	
Voltage THD	<5% – 100% nonlinear load; <3% – 100% linear load	
Transient Response	<5% for 100% load step full recovery within 1 cycle	
Frequency	±0.1 Hz (Free Run)	
Frequency Sync. Range	±1 Hz	
Frequency Slew Rate	1 Hz/Second	
Load Crest Ratio	3:1	
Common Mode Noise Rejection	>85 dB	
ENVIRONMENTAL		
Ambient Temperature	0°C to +40°C	
Battery Storage	-20°C to +60°C	
Relative Humidity	5 – 95% minimum non-condensing	
Altitude	1500 meters (5000 feet) without derating	
Audible Noise	Less than 65 dBA at 1 meter	
EMI Suppression	Meets FCC Class A, Subpart J of Part 15	
Electrostatic Discharge	Withstands 25kV without damage or disturbance to the load	
Heat Rejection		
Model 24	10,402 BTU/Hr.	
Model 36	15,602 BTU/Hr.	
BATTERY		
Battery Type	Sealed lead-acid/maintenance free	
Battery Voltage	240 VDC	
Recharge Time	10 to 12 times the discharge time	
SAFETY		
UL 1778, CSA C22.2, EN60950 - Available on 380V, 400V, 415 configurations		
MECHANICAL		
Weight: Power Processor Cabinet & Std. Battery	590 kg / 1300 lbs.	
Weight: Options Cab. (Not required for all apps.)	410 kg / 900 lbs.	
Dim.: Power Processor Cabinet & Std. Battery	990mm <i>h</i> x 870mm <i>w</i> x 790mm <i>d</i> / 39" <i>h</i> x 34" <i>w</i> x 31" <i>d</i>	
Dim.: Additional Battery Battery	990mm <i>h</i> x 435mm <i>w</i> x 790mm <i>d</i> / 39" <i>h</i> x 17" <i>w</i> x 31" <i>d</i>	

† Specifications subject to change without notice.

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