

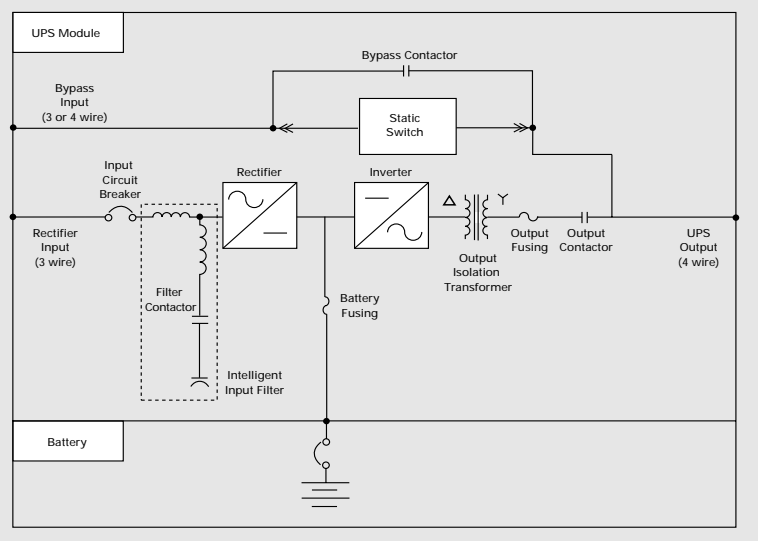
# Powerware® Plus 300 Online Uninterruptible Power System

MODEL 225 225kVA / 180kW

MODEL 300 300kVA / 240kW



## ONE LINE DIAGRAM



- Continuous online protection
- Superior system reliability
- World class quality
- Flexible network communications

**Environmental Specifications**

Ambient temperature: 0°C to +40°C  
 Storage: -20°C to +70°C  
 Relative humidity: 5-95% non-condensing  
 Altitude: 1500 meters (5000ft.) at 40°C ambient temperature without load derating  
 Audible noise: Less than 65 dBA at 1 meter; in accordance with ISO 7779  
 Electrostatic discharge: Withstands 25kV without damage or disturbance to the load; exceeds requirements of IEC 801-2  
 EMC: Meets FCC Class A, Subpart J of Part 15 and EN 50091-2 (CISPR 22, Class A)

**Input Specifications**

Voltage range: (See chart on other side)  
 Frequency range: (60 Hz) 57-63 Hz;  
 Surge protection: Meets ANSI C62.41, Category A & B, EN 50091-2, and EN 50082-2  
 Power factor: 0.95 typical at full load with input filter  
 Input current distortion less than 10% with input filter

**Output Specifications**

Voltage THD: Less than 5% (100% non-linear load with 3:1 crest factor); less than 3% (100% linear load)  
 Voltage regulation: Better than ±1%  
 Transient response: Less than 5% for 100% load step; full recovery within 1 cycle  
 Frequency: (free run) ±0.005 Hz  
 Frequency sync range: ±0.5 Hz  
 Frequency slew rate: 1 Hz/second maximum  
 Voltage adjustment range (operator): ±5%

**Battery Specifications**

Matching cabinets – remote option available  
 Battery type: Sealed, valve regulated lead acid  
 Recharge time: 10-12 times the discharge time to 95%  
 Other battery options: Wet cell and nickel-cadmium batteries; open racks available  
 For battery run times and configurations, refer to Bulletin BAT01FXA.

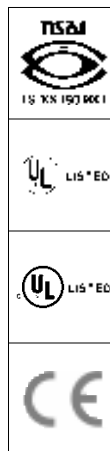
**Safety**

UL1778 Listed  
 CUL CAN/CSA C22.2 NO.107.1-M91 Listed  
 EN 50091-1  
 All cabinets provide seismic mounting features  
 Selectable DC ground fault detection capability

Specifications subject to change without notice.

**Powerware Plus 300 Performance Characteristics**

		Model 225		Model 300	
		225kVA/180kW		300kVA/240kW	
Input Voltage	Volts	480	600	480	600
Output Voltage	Volts	480	600	480	600
Input Voltage Range					
Minimum	Volts	408	510	408	510
Maximum	Volts	528	660	528	660
Input / Output Frequency	Hz	60	60	60	60
AC Input (With input filter)					
Nominal Amps	Amps	250	200	333	267
Maximum Amps	Amps	312	250	416	333
AC Input (Without input filter)					
Nominal Amps	Amps	288	236	384	314
Maximum Amps	Amps	360	294	480	392
Bypass Input					
Nominal Amps	Amps	271	217	360	289
AC Output					
Nominal Amps	Amps	271	217	360	289
10 Minutes Max.	Amps	339	272	450	361
DC Link					
Nominal DC Voltage	Volts	480	480	480	480
Float Voltage	Volts	540	540	540	540
End of Discharge	Volts	401	401	401	401
Maximum Amps	Amps	450	450	600	600
Physical Attributes (w/o batt.)					
Installed Weight	Lbs	4177	4177	4177	4177
Installed Width	Inches	65	65	65	65
System Efficiencies					
@ 100% Load	%	92	91	92	91
@ 75% Load	%	92	90	92	91
@ 50% Load	%	91	88	92	89
Full Load Heat Dissipation					
BTU/Hr. (x1000)		53.7	61.7	71.7	82.4
KCal/Hr. (x1000)		13.5	15.5	18.1	20.8
Inverter Efficiency (Full Load)	%	93	93	93	93

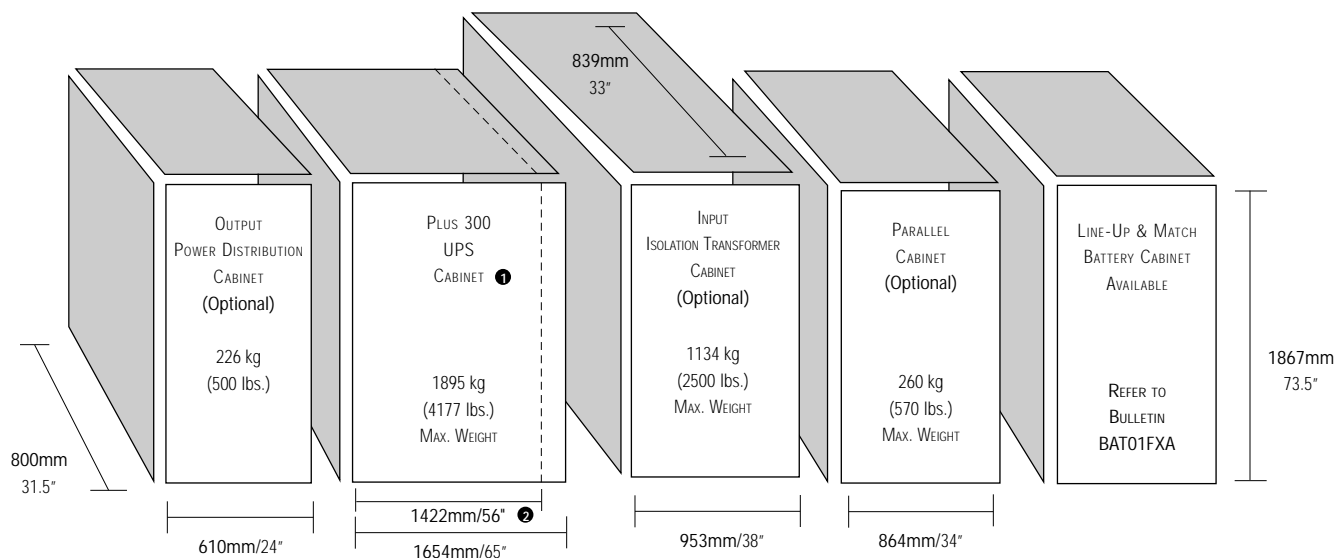


- ① All accessories feature plug and play capability.
- ② Removable wireway section reduces width by 9" to aid installation.

Shipping pallet and packaging adds either 50 or 300 lbs. per shipping unit.

Specifications subject to change without notice.

**PHYSICAL DIMENSIONS AND WEIGHTS**



All previously mentioned corporate names and brands are registered as trademarks by their respective companies.

**1-800-554-3448** (Toll-free in US & Canada) World Headquarters, 8609 Six Forks Road, Raleigh, NC 27615 USA

Telephone (US): 1-919-872-3020; Fax (US): 1-800-75-EXIDE; International Telephone: 1-919-870-3238; International Fax: 1-919-870-3300