

The PPP91 UPS is an online double conversion UPS solution which offers power conditioning and outage protection in a compact and flexible rack/tower form factor.

With near unity power factor operation (2U units), the PPP91 provides maximum usable power to your equipment. Precision Group protects your business with a standard three year or optional five year product warranty.

The PPP91 UPS provides scalable battery capacity when extended protection is required. The powerful charger can provide up to 8 amps of current to quickly recharge up to 7 matching battery packs.



FEATURES

HIGH OUTPUT POWER FACTOR PPP91 PROVIDES NEAR UNITY OUTPUT POWER FACTOR RATING (2U UNITS)

CHARGING CURRENT 1/2/4/6/8A, ADJUSTABLE FROM LCD DISPLAY. OPTIMIZE CHARGING FOR MOST BATTERY SOLUTIONS (2U UNITS ONLY)

MAINTENANCE BYPASS AN OPTIONAL XBDM BYPASS MODULE ENABLES THE PPP91 TO BE REPLACED OR SERVICED WITHOUT INTERRUPTION OF POWER TO CRITICAL LOADS

FAST RECHARGE UP TO 95% IN JUST 3 HOURS (2U UNIT)

MULTIPLE COMMUNICATIONS CAPABILITY

RS-232, USB, AND OPTIONAL WEB/SNMP, MODBUS, RELAY/DRY CONTACT CARDS

EFFICIENT OPERATION UP TO 98% ECO MODE EFFICIENCY LOWERS ENERGY CONSUMPTION

PROGRAMMABLE RECEPTACLES—REMOTE ON/OFF CONTROL (2U ONLY)

EXTENDED BATTERY RUNTIMES—OPTIONAL MATCHING BATTERY MODULES AVAILABLE WITH 1500VA, 2000VA, AND 3000VA MODELS FOR EXTENDED RUNTIMES

TOWER, WALL, 2-POST, AND 4-POST RACK MOUNTING CONFIGURATIONS

HOT SWAPPABLE BATTERY DESIGN

UL, CUL, ROHS, FCC A, FCC B, TAA COMPLIANT (UPS ONLY)

3 YEARS WARRANTY (USA AND CANADA)

Model Selection Guide

MODEL NUMBER		PPP91c-1000	PPP91-1000	PPP91-1500	PPP91-2000	P91-3000
Capacity	Power rating	1000VA (800W)	1000VA (1000W)	1500VA (1450W)	2000VA (1930W)	3000VA (2880W)
Input	Voltage/Frequency	55–150VAC* / 50/60Hz auto-sensing				
Output	Voltage	120VAC	120VAC nominal (100/110/115/127 selectable)***			
	Waveform	Pure sine wave, 1U: <=3% THD (linear load), <=5% THD (non-linear load); 2U: <=2% THD (linear load), <=4 THD (non-linear load)				
	Frequency	50/60Hz 0.3Hz	50/60Hz 0.1Hz			
	Efficiency	Up to 98%				
	Overload Capacity	1U online mode: > 105% & ≤ 130% for 2 min; > 130% & ≤200% for 10 sec; >200% for 250 ms 2U online mode: > 110% & ≤ 130% for 5 min; > 130% & ≤140% for 30 sec; >140% for 1.5 sec				
Battery	Battery chemistry	Sealed, maintenance-free lead acid				
	Battery Size	(4) 6V 290W	(2) 12V 9AH	(3) 12V 9AH	(4) 12V 9AH	(6) 12V 9AH
	Typical recharge / charger	< 9 hours to 90%	< 3 hours to 95% with 2A charger current			
	Charging current	1A	2A default, max 8A adjustable			
Physical	Dimensions (W x D x H)	17.2 x 17.8 x 1.7 in	17.2 x 15.1 x 3.5 in		17.2 x 19 x 3.5 in	17.2 x 23.8 x 3.5 in
	Weight	28 lbs	25.5 lbs	34.2 lbs	43 lbs	60.6 lbs
	Line cord (detachable)	C14 inlet, 5ft 5-15P to C13 line cord	6 ft, 5–15P		6 ft, 5–20P	6 ft, L5–30P
	Receptacles	(3) NEMA 5–15R	(8) NEMA 5-15R		(8) NEMA 5–15/20R	L5–30R + (6) 5–15/20R
Environment	Operating Temperature	32–104 F (0–40 C)				
	Altitude	11,500 ft above sea level				
Approvals	UL, cUL, RoHS, FCC Class B (1000 (2U), 1500VA), FCC Class A (1000 (1U), 2000, 3000VA), TAA compliant (UPS only)					
Warranty	3 years electronics, 3 years battery warranty (USA and Canada)					
Communications Interface	RS-232(2U), USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)					
Included in Box	ViewPower software, front brackets, tower pedestals, user manual					
Available Options	Bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit, wall mount bracket (2U units)					

*Depending on load level. **Rack depth is front bracket to unit panel. Add 1" for depth including front bezel. ***Capacities are based on highest selectable voltage. Some models derate at lower voltages

Battery Runtimes

	Internal Batteries		External Battery Packs													
			1		2		3		4		5		6		7	
Percentage load:	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%		
PPP91c-1000	20	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
PPP91-1000	6	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
PPP91-1500 (BP36)	10	3	42	17	84	33	120	51	157	72	199	93	199	93		
PPP91-1500 (BP36E)	10	3	84	33	157	72	244	112	339	146	N/A	N/A	N/A	N/A		
P91-2000 (BP48)	10	3	42	17	84	33	121	51	157	72	200	244	200	244		
P91-3000 (BP72)	10	3	42	17	84	33	121	52	158	73	201	246	201	246		

Maximum of seven battery packs per P91-1500, P91-2000, or P91-3000 (excluding BP36E). Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.