

# MEPST91

Online Tower UPS // 120VAC



## Unity power factor tower UPS provides high density online power protection for unstable power conditions

MEPST91 UPS provides double conversion online power for light industrial applications, point of sale, servers, voice & data networks, and laboratories. MEPST91 features unity output power factor to support up to 43% more critical loads than typical UPSs.

Extended battery runtimes are available from the MEPST91 by adding up to seven matching battery packs.

MEPST91 battery charger can be programmed to provide up to 8 amps of recharge current to insure batteries are recharged quickly and prepared for the next utility outage.

### PRODUCT SNAPSHOT

- › Available models: 700VA, 1000VA, 1500VA, 2000VA, 3000VA
- › Extended battery packs available
- › UL, cUL, RoHS, FCC A or B, TAA compliant
- › 3 years electronics, 3 years battery warranty (USA and Canada)

### FEATURES

**Unity output power factor**—MEPST91 provides industry highest real power rating

**Extended battery packs**—optional matching battery cabinets available for runtimes up to 4 hours.

**Charging current**—2A to 8A, adjustable from LCD display

**Fast Recharge**—up to 95% in just 3 hours

**Generator compatibility**—wide input voltage and frequency windows allow reliable generator compatibility

**Multiple communications capability**—RS-232, USB, and optional Web/SNMP, Relay/dry contact and Modbus cards

**Load shedding capabilities**—maximize up time for critical loads and equipment by shedding less critical loads

**Emergency power off**—allows for compliance with the highest of application safety standards

**\$50,000 load protection policy**—protection against damaged connected equipment

# MODEL SELECTION GUIDE

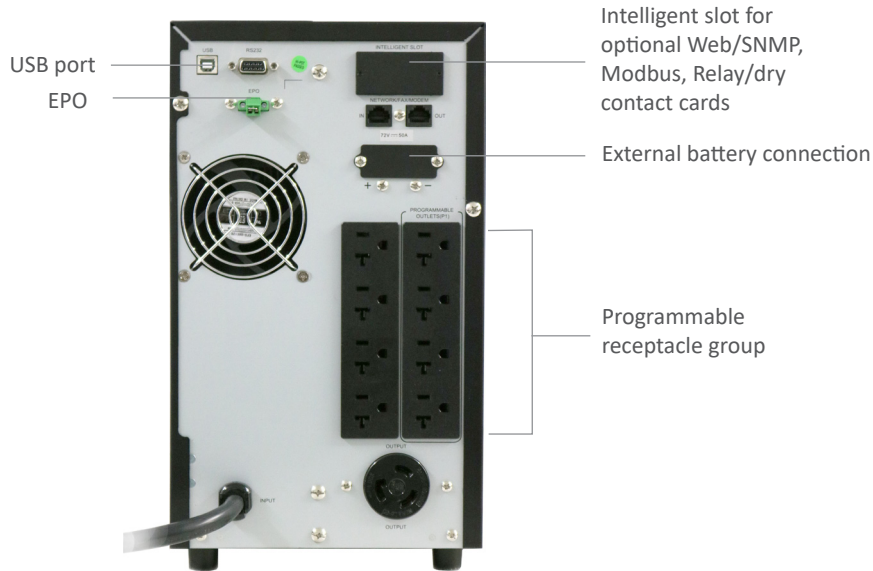
MODEL NUMBER		MEPST91-700	MEPST91-1000	MEPST91-1500	MEPST91-2000	MEPST91-2000V2	MEPST91-3000	
CAPACITY	Power rating	700VA (700W)	1000VA (1000W)	1500VA (1450W)	2000VA (1930W)	2000VA (1930W)	3000VA (2880W)	
INPUT	Voltage	120VAC nominal (55-150VAC)*						
	Frequency	50/60Hz auto-sensing						
	Power factor	>0.99 at full load						
OUTPUT	Voltage	120VAC nominal (100/110/115/127 selectable)**						
	Waveform	Pure sine wave, zero transfer time						
	Frequency	50/60Hz auto-sensing ≤ 1%						
	Efficiency	Up to 98% ECO Mode and 92% online mode						
	Overload capacity	> 110% & ≤ 130% for 5 min; > 130% & ≤ 140% for 30 sec; >140% for 1.5 sec						
BATTERY	Battery type	(2) 12V 9AH	(3) 12V 9AH	(3) 12V 9AH	(6) 12V 9AH		(6) 12V 9AH	
	Recharge	3 hours to 95% for internal battery with 2A charge current						
	Battery charger	2A (default) to 8A, programmable from LCD display						
PHYSICAL	UPS dimensions	5.6" x 15.6" x 8.6" (W x D x H)				7.4" x 16.5" x 12.5" (W x D x H)		
	UPS weight	26 lbs	30 lbs	34.3 lbs	63 lbs		66 lbs	
	Line cord	6 ft, 5-15P				6 ft, L5-20P	6 ft, 5-20P	6 ft, L5-30P
	Receptacles	(6) 5-15R				(1) L5-20R+(8) 5-20R		(1) L5-30R+(8) 5-20R
OPTIONAL BATTERY PACKS	Model number	MEPST91-BP36A				MEPST91-BP72A		
	Dimensions	5.6" W x 15.6" D x 8.6" H				7.4" W x 16.5" D x 12.5" H		
	Weight	44 lbs				82 lbs		
ENVIRONMENT	Temperature	32-104°F (0-40°C)						
	Audible noise	< 50 dBA						
	Altitude	11,500 ft above sea level						
APPROVALS	UL1778 (cTUVus), FCC B, RoHS, TAA				UL1778 (cTUVus), FCC A, RoHS, TAA			
WARRANTY	3 years electronics, 3 years battery warranty (USA and Canada)							
COMMUNICATIONS INTERFACE	RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)							
INCLUDED IN BOX	ViewPower monitoring software CD, USB cable, user manual							
AVAILABLE OPTIONS	Extended warranty, bypass distribution (XBDM), power distribution (XPDU)							

\*Voltage range is load dependent. \*\*Capacities are based on highest selectable voltage. Some models derate at lower voltages.

## BATTERY RUNTIMES

	Internal battery		UPS+1BP		UPS+2BP		UPS+3BP		UPS+4BP		UPS+5BP		UPS+6BP		UPS+7BP	
Percentage load:	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%
MEPST91-700	16	5.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MEPST91-1000	17	6	74	29	129	57	192	89	259	117	330	143	419	175	485	208
MEPST91-1500	10	3	44	18	88	35	125	54	165	77	211	97	258	117	306	133
MEPST91-2000/(V2)	18	6.4	77	30	133	59	200	93	270	121	350	149	437	183	500	217
MEPST91-3000	10	3	45	18	89	35	126	54	167	78	212	97	260	118	309	134

Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.



MEPST91 -2000 rear view