XTREME POWER CONVERSION **T91**

Online Tower UPS // 120VAC or 208/230VAC

For more information, visit www.xpcc.com/t91

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

T91 UPS provides double conversion online power for light industrial applications, point of sale, servers, voice & data networks, and laboratories. T91 features unity output power factor to support up to 43% more critical loads than typical UPSs.

Extended battery runtimes are available from the T91 by adding up to seven matching battery packs.

T91 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 120V models: 700VA, 1000VA, 1500VA, 2000VA, 3000VA
- Available 208/230V model: 2000VA
- Extended battery packs available
- UL, cUL, CE, RoHS, FCC A, FCC B, TAA compliant
- 3 years electronics, 3 years battery warranty (USA and Canada)

FEATURES

Unity output power factor—T91 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

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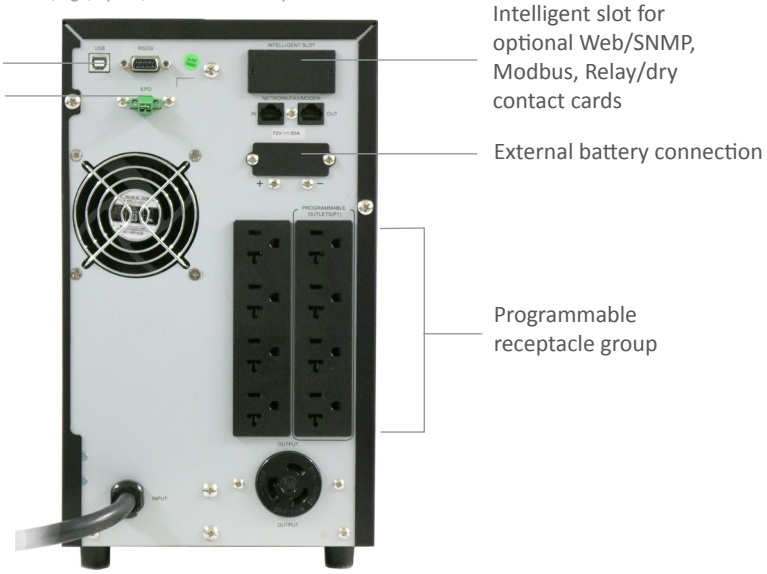
MODEL NUMBER		T91-700	T91-1000	T91-1500	T91-2000	T91-3000	T91i-2000
CAPACITY	Power rating	700VA (700W)	1000VA (1000W)	1500VA (1450W)	2000VA (1930W)	3000VA (2880W)	2000VA (2000W)
INPUT	Voltage	120VAC nominal (55-150VAC)*					208VAC nominal (110–300VAC)*
	Frequency	50/60Hz auto-sensing					
	Power factor	>0.99 at full load					
OUTPUT	Voltage	120VAC nominal (100/110/115/127 selectable)***					208VAC nominal (200, 220, 230, 240 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	125% for 1 min, 150% for 10 sec					
BATTERY	Battery type	(2) 12V 9AH	(3) 12V 9AH	(3) 12V 9AH	(6) 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	N/A	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	N/A	30 lbs	34.3 lbs	63 lbs	66 lbs	62 lbs
	Line cord	N/A	6 ft, 5–15P		6 ft, L5–20P/5-20P**	6 ft, L5–30P	6 ft, C19 to L6-20P
	Receptacles	N/A	(6) 5–15R		(1) L5-20R+(8) 5-20R	(1) L5-30R+(8) 5-20R	(1) C19 + (8) C13
OPTIONAL BATTERY PACKS	Model number	T91-BP36A			T91-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		CE, 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. **T91-2000 includes L5-20P input cord and 5-20P adapter. ***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%
T91-700	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
T91-1000	17	6	74	29	129	57	192	89	259	117	330	143	419	175	485	208
T91-1500	10	3	44	18	88	35	125	54	165	77	211	97	258	117	306	133
T91-2000	18	6.4	77	30	133	59	200	93	270	121	350	149	437	183	500	217
T91i-2000	17	6	74	29	129	57	192	89	259	117	330	143	419	175	485	208
T91-3000	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.



T91 -2000 rear view

Protect your business.

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