

# XTREME POWER CONVERSION T90 Unity

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

For more information, visit [www.xpcc.com/T90u](http://www.xpcc.com/T90u)



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

T90 Unity UPS provides double conversion online power for light industrial applications, point of sale, servers, voice & data networks, and laboratories. T90 Unity features unity output power factor to support up to 43% more critical loads than typical UPSs.

Extended battery runtimes are available from the T90 Unity by adding one or many matching battery packs. T90 Unity 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, CE, FCC B, FCC A
- › 3 years electronics, 3 years battery warranty (USA and Canada)

### FEATURES

**Unity output power factor**—T90 Unity provides industry highest real power rating

**Extended battery packs**—optional matching battery cabinets available for extended runtime

**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		T90-700	T90-1000	T90-1500	T90-2000	T90-3000	T90i-2000	
CAPACITY	Power rating	700VA (700W)	1000VA (1000W)	1500VA (1500W)	2000VA (2000W)	3000VA (3000W)	2000VA (2000W)	
INPUT	Voltage	55-150VAC*					110-300VAC*	
	Frequency	50/60Hz auto sensing						
	Power factor	>0.99 at full load						
OUTPUT	Voltage	120VAC nominal (100/110/115/127 selectable)***					200/208/220/230/240VAC***	
	Waveform	Pure sine wave, zero transfer time						
	Frequency	50/60Hz auto sensing ≤ 1%						
	Power factor	1.0						
	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 580W	(6) 12V 9AH	(6) 12V 580W	(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	25.7 lbs	30 lbs	34.3 lbs	63 lbs	66 lbs	62 lbs	
	Line cord	5-15P			L5-20P / 5-20P**	L5-30P	C20 Inlet	
	Receptacles	(6) 5-15R*			(1) L5-20R + (8) 5-20R	(1) L5-30R + (8) 5-20R	(1) C19 + (8) C13	
OPTIONAL BATTERY PACKS	Model number	N/A	T90-BP36A		T90-BP72A			
	Dimensions (W x D x H)	N/A	5.6" x 15.6" x 8.6"		7.4" x 16.5" x 12.5"			
	Weight	N/A	44 lbs		82 lbs			
ENVIRONMENT	Temperature	32-104°F (0-40°C)						
	Audible noise	< 50 dB with fan speed control						
	Altitude	11,500 ft above sea level						
APPROVALS	UL1778 (cTUVus), FCC B, RoHS				UL1778 (cTUVus), FCC A, RoHS		CE, RoHS	
WARRANTY	2 years electronics, 2 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							
AVAILABLE OPTIONS	Extended warranty, bypass distribution (XBDM), power distribution (XPDU)							

\* Voltage range is load dependent. \*\*T90-2000 includes L5-20P input cord and 5-20P adapter. \*\*\*T90 capacity derates 20% at 100VAC output voltage. T90i derates 10% at 200/208VAC output voltage.

## BATTERY RUNTIMES

	Internal battery		UPS+1BP		UPS+2BP		UPS+3BP		UPS+4BP		UPS+5BP		UPS+6BP		UPS+7BP	
	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%
T90-700	18	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
T90-1000	19	7	78	33	147	62	223	94	306	129	393	165	484	204	579	244
T90-1500	15	6	47	19	88	37	135	57	184	78	237	100	292	123	349	147
T90/T90i-2000	19	7	78	33	147	62	223	94	306	129	393	165	484	204	579	244
T90-3000	15	6	58	25	108	47	162	70	220	95	220	121	280	148	343	176

For extended runtimes and detailed requirements, see [www.xpcc.com/selector](http://www.xpcc.com/selector). Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.

**X-TREME**  
Power Conversion®

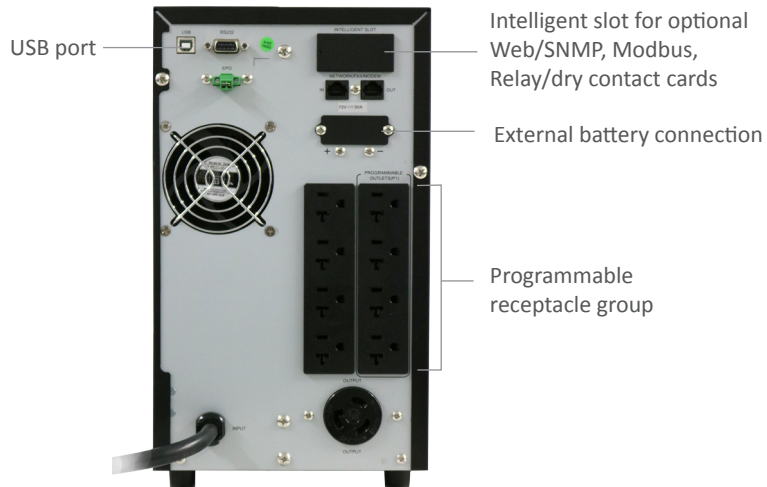
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T90 -1000 rear view