

# XTREME POWER CONVERSION T90 6kVA & 10kVA

T90 Online Tower UPS // 208VAC or 230VAC

For more information,  
visit [www.xpcc.com/t6-10](http://www.xpcc.com/t6-10)



## Increase efficiency and reduce power consumption with this powerful online single-phase UPS

Designed for high density critical loads, the Xtreme Power T90 delivers industry leading efficiency and scalability. T90 can be configured for online or ECO mode operation for efficiency of up to 97%.

Output voltage and frequency are programmable to meet a wide range of USA and international requirements.

For Isolated Online TX90 6 & 10kVA, reference [www.xpcc.com/tx6-10](http://www.xpcc.com/tx6-10)

### PRODUCT SNAPSHOT

- › Available models: 6kVA/5.4kW, 10kVA/9kW
- › Optional battery runtimes up to 8 hours
- › UL1778, cUL, CE, FCC Class A, RoHS
- › 3 years electronics, 3 years battery warranty (USA and Canada)

### FEATURES

**0.9 output power factor**—more real wattage for high density loads

**Frequency converter**—T90 can be programmed to convert from 50 to 60Hz or 60Hz to 50Hz

**Parallel operation**—up to four T90 units can be paralleled for additional capacity or redundant operation

**Hot swappable internal battery trays**—easy to replace without interrupting the load

**Maintenance bypass**—manually transfer critical loads from UPS power to utility power, enabling T90 UPS repair

**Extended battery runtimes**—optional external battery cabinets and chargers can be added for extended runtime applications

**Lockable casters**—simplify installation and maintenance

# MODEL SELECTION GUIDE

For more information, visit [www.xpcc.com/t6-10](http://www.xpcc.com/t6-10)

MODEL NUMBER		T90-6K	T90-10K
INPUT	Capacity	6kVA (5.4kW)	10kVA (9kW)
	Voltage range	160–280VAC*	
	Frequency	45–65Hz auto-sensing	
	Power factor	Up to 0.99 at linear load	
	Harmonic distortion	< 3% at linear load	
OUTPUT	Rated voltage	208VAC nominal (200/220/230/240VAC selectable)	
	Crest factor	3:1	
	Overload capacity	105%–150% for 160 sec, 2 cycles before switching bypass	
	Efficiency	97% ECO mode, 91% online mode	
BATTERY	Battery type	Sealed, maintenance-free lead acid	
	Battery quantity and size	(20) 12V 7AH	(20) 12V 9AH
PHYSICAL	Input/output	Terminal blocks; input cord and receptacle options	
	UPS dimensions (W x D x H)	11.4 x 25.4 x 29.5 in	
	UPS weight	190 lbs	223 lbs
	EBP dimensions (W x D x H)	11.4 x 25.4 x 29.5 in	
	EBP weight	EBP920 – 254 lbs; EBP940 – 364 lbs; EBP960 – 474 lbs	
ENVIRONMENT	Temperature	32–104°F (0–40°C)	
	Humidity	0–95% non-condensing	
	Audible noise	< 50dBA	
	Altitude	11,500 ft above sea level	
APPROVALS	UL1778, cUL, CE, FCC Class A, RoHS		
WARRANTY	3 years electronics, 3 years battery warranty (USA and Canada)		
COMMUNICATIONS INTERFACE	RS-232, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact)		
INCLUDED IN BOX	User manual, RS-232 communication cable, shutdown software		
AVAILABLE OPTIONS	Output PDU, external battery charger, parallel tie/bypass, input L6–30P cord (for 6kVA only)		

\*Depending on load level

## BATTERY RUNTIMES

	Internal battery	+ EBP920	+ EBP940	+ EBP960	+ (2)EBP940	+ (2)EBP960	+ (3)EBP960	+ (4)EBP960
Backup time	Half/full	Half/full	Half/full	Half/full	Half/full	Half/full	Half/full	Half/full
T90-6K	17/6	62/25	105/43	151/62	199/83	301/128	463/199	634/275
T90-10K	12/4	32/12	54/21	79/32	105/43	160/66	249/105	343/146

1. For extended runtimes and detailed requirements, see [www.xpcc.com/selector](http://www.xpcc.com/selector)

2. Runtimes are shown in minutes and will vary based on battery age and site conditions

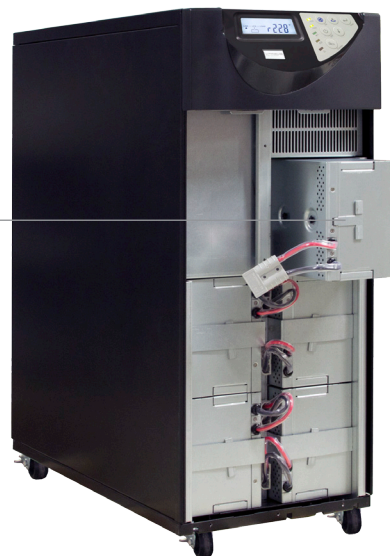
3. Optional 1000W charger recommended for applications requiring three or more battery packs

## OPTIONAL INTEGRAL PDU

T90-6K(10K)B4##

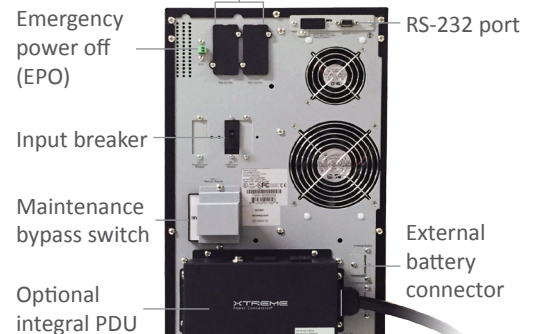
(2) L6–30R (240V) + (2)  
Locking C19 (240V)

Hot swappable  
battery trays with Anderson  
connectors



T90-6K front view (panel removed)

Intelligent slot for  
optional Web/SNMP,  
Relay/dry contact cards



T90-6KB4 rear view

**X-TREME**  
Power Conversion®

Protect your business.

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