

XTREME POWER CONVERSION TX90/T90 6kVA & 10kVA

TX90 Isolated Online Tower UPS // 240/120VAC

T90 Online Tower UPS // 208VAC or 230VAC

For more information,
visit www.xpcc.com/t6-10



Online scalable UPS for high power and critical N+1 redundant applications

TX90/T90 6kVA and 10kVA UPS provide online double conversion protection with scalable capacity and battery runtimes.

TX90 provides an internal galvanic isolation transformer providing full electrical noise isolation and ensures a clean signal reference ground. TX90 transformer eliminates the need to add an input neutral or install an expensive dedicated circuit. TX90 available output voltages are 240V/120V or programmable from 100V to 240V.

TX90/T90 wide input power window allows incoming voltage to vary -30% to +10% from nominal 230V without draining battery.

PRODUCT SNAPSHOT

- › Single module configurations: 6kVA/5.4kW and 10kVA/9kW
- › Parallel capacity configurations: 12kVA/10.8kW to 40kVA/36kW
- › Parallel redundant (N+1) configurations: 6kVA/5.4kW to 30kVA/27kW
- › UL1778, cUL, CE, FCC Class A, RoHS
- › 3 years electronics, 3 years battery warranty (USA)

FEATURES

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

Frequency converter—TX90/T90 can be programmed to convert from 50 to 60Hz or 60Hz to 50Hz

Parallel operation—up to four TX90/T90 units can be paralleled for additional capacity or redundant operation

Galvanic isolation transformer (TX90)—eliminates common mode noise and the need to install expensive dedicated circuits and provides power conditioning during normal and bypass 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 TX90/T90 UPS repair

Extended battery runtimes—TX90/T90 optional battery charger provides fast recharge for extended runtime requirements

Lockable casters—simplify installation and maintenance

MODEL SELECTION GUIDE

For more information, visit www.xpcc.com/t6-10

MODEL NUMBER		TX90-6K	TX90-10K	T90-6K	T90-10K
INPUT	Capacity	6kVA (5.4kW)	10kVA (9kW)	6kVA (5.4kW)	10kVA (9kW)
	Voltage	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	240/120VAC or 100, 110, 115, 120, 200, 208, 230, 240VAC selectable*	200, 208, 220, 230, or 240VAC		
	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	(20) 12V 7AH	(20) 12V 9AH
PHYSICAL	Input/output	Hardwired or cord/receptacle (see below)	Hardwired	Hardwired or cord/receptacle (see below)	Hardwired
	UPS dimensions (W x D x H)	11.4 x 25.4 x 29.5 in	11.4 x 25.4 x 34.7 in	11.4 x 25.4 x 29.5 in	
	UPS weight	265 lbs	340 lbs	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 and battery (2 years outside of USA)				
COMMUNICATIONS INTERFACE	RS-232, EPO, intelligent slot for optional cards (Web/SNMP, dry contact, RS-485)				
INCLUDED IN BOX	User manual, RS-232 communication cable				
AVAILABLE OPTIONS	Output PDU, external battery charger, parallel tie/bypass, input L6–30P cord (for 6kVA only)				

*240/120V Split Phase (3 wire plus ground) is default output. Selectable voltages: 100V, 110V, 115V, 120V, 200V, 208V, 220V, 230V, 240V. Two low voltage transformer taps may be connected in parallel to provide a single full capacity 100V, 110V, 115V, 120V output. 208/120V is available with 88V leg. Please specify.

BATTERY RUNTIMES

	Internal battery	UPS + EBP920	UPS + EBP940	UPS + EBP960	UPS + (2)EBP940	UPS + (2)EBP960	UPS + (3)EBP960	UPS + (4)EBP960
Backup time	Half/full	Half/full	Half/full	Half/full	Half/full	Half/full	Half/full	Half/full
TX90/T90-6K	17/6	62/25	105/43	151/62	199/83	301/128	463/199	634/275
TX90/T90-10K	12/4	32/12	54/21	79/32	105/43	160/66	249/105	343/146

- For extended runtimes and detailed requirements, see www.xpcc.com/selector
- Runtimes are shown in minutes and will vary based on battery age and site conditions
- Optional 1000W charger recommended for applications requiring three or more battery packs

Optional output PDU for 6kVA
XPD21 = (1) L6–20R + (1) L6–30R + (4) 5–15R*
XPD22 = (1) L6–30R + (1) L5–30R + (1) L5–20R + (2) 5–15/20R*
XPD23 = (8) 5–15R*
XPD24 = (2) L6–20R + (1) L6–30R
XPD25 = (1) L6–30R + (1) L6–20R + (4) 6–15/20R
XPD26 = (2) IEC C19 + (8) IEC C13
Optional input cord for 6kVA
XPC–L630P = 6 ft, L6–30P input cord

*for use with TX90-6K only

X-TREME
Power Conversion®

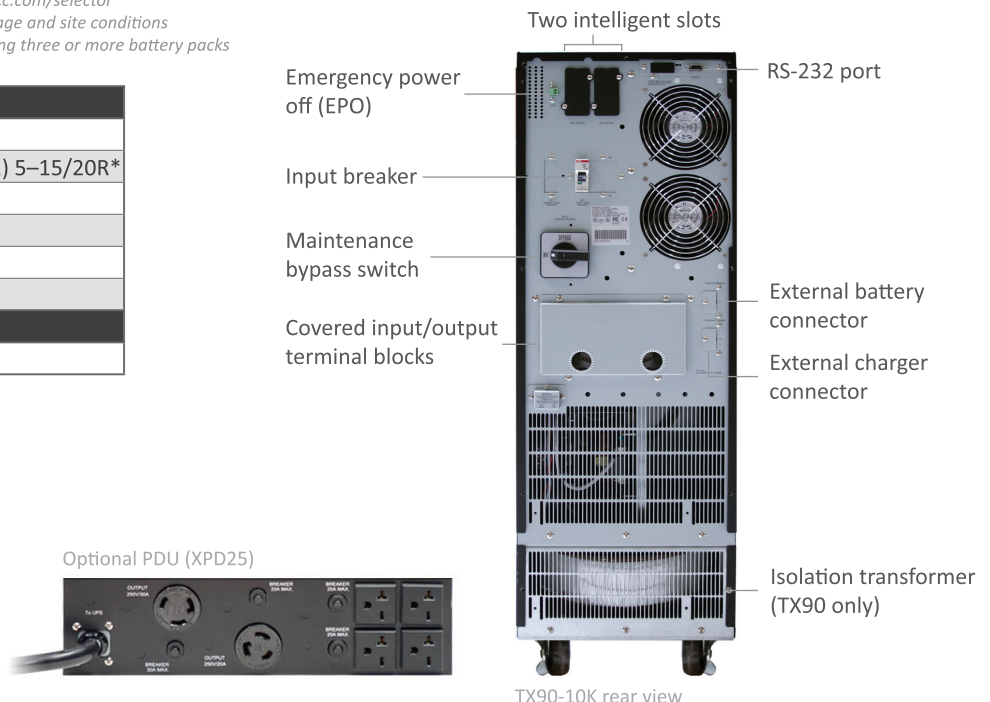
Protect your business.

XPC USA / Denver, CO / sales@xpcc.com

XPC EMEA / Rotterdam, NL / emea@xpcc.com

www.xpcc.com

©2014 Xtreme Power Conversion Corporation. All Rights Reserved. TX90/T90.01U (1/27/14)



TX90-10K rear view