

XTREME POWER CONVERSION T90 6kVA & 10kVA

Online Tower UPS // 208VAC or 230VAC

For more information, visit:

www.republicpowersystems.com/T90-6-10



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

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

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

Lockable casters—simplify installation and maintenance

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

MODEL SELECTION GUIDE

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MODEL NUMBER		T90-6K	T90-10K
CAPACITY	Power rating	6kVA (5.4kW)	10kVA (9kW)
INPUT	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)	
	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 or optional PDU	
	Dimensions (W x D x H)	11.4 x 25.4 x 29.5 in	
	Weight	190 lbs	223 lbs
OPTIONAL BATTERY PACKS	Battery quantity and size	EBP920–(20) 12V 9AH; EBP940–(40) 12V 9AH; EBP960–(60) 12V 9AH	
	Dimensions (W x D x H)	11.4 x 25.4 x 29.5 in	
	Weight	EBP920–254 lbs; EBP940–364 lbs; EBP960–474 lbs	
OPTIONAL PDU	Input connection	6 ft, L6–30P	Terminal blocks
	Receptacle options	L6–30R, L6–20R, L6–15R, 6–15/20R, C19	
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	
Percentage load:	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%
T90-6K	21	7	61	25	102	42	145	60	192	80	293	121	457	190	634	263
T90-10K	13	4	32	13	54	22	77	32	102	42	155	64	241	100	335	139

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



T90-6K front view (panel removed)



T90-6KB4 rear view

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