

XTREME POWER CONVERSION TX90

Isolated Online UPS // 230VAC or 120VAC

For more information, visit www.xpcc.com/tx90



Online UPS with isolation transformer for complete power protection

Equipment that is impacted by poor power can result in downtime, inaccurate test results, and increased service costs.

TX90 provides reliable galvanically isolated power to critical equipment. Output voltages can be selected from the TX90 LCD display 100V to 120V or TX90i from 200V to 240V.

TX90 worldwide input feature allows connection to just about any power source – voltages from 88V to 288V (up to 3kVA) and frequencies from 40Hz to 70Hz.

For high capacity models, reference the TX90 6kVA & 10kVA at www.xpcc.com/tx6-10

PRODUCT SNAPSHOT

- › Available models: 1000VA, 2000VA, 3000VA, 5000VA
- › Online double conversion technology
- › Complete galvanic isolation
- › Wide input voltage range
- › 3 years electronics, 3 year battery warranty (USA and Canada)

FEATURES

International and domestic input voltage ranges—one UPS supports worldwide applications. TX90 accepts input power from 88–288VAC and 40–70Hz

Isolation transformer—eliminates common mode noise and the need to install expensive dedicated circuits

Multiple communications capability—RS-232 and optional USB, Web/SNMP, Modbus, Relay/dry contact cards

Voltage change (to 3kVA)—TX90 can transform voltage 208/230V to 120V. TX90i can transform 120V to 208/230V

ECO mode—for higher efficiency and energy savings

Smart battery charger—designed for optimizing battery performance

Frequency conversion (5kVA)—TX90 can be programmed to convert from 60Hz to 50Hz or 50 to 60Hz

LCD display—offers vitals monitoring and precise information from the front panel

Power conditioning—TX90 provide common mode noise isolation and ensures a clean signal reference ground

MODEL SELECTION GUIDE

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MODEL NUMBER		TX90-1000	TX90-2000	TX90-3000	TX90i-5000
INPUT	Capacity	1000VA (800W)	2000VA (1600W)	3000VA (2400W)	5000VA (4000W)
	Voltage	88–144VAC and 176–288VAC (auto sensing)*			160–300VAC*
	Frequency	40–70Hz			
	Surge rating	> 600J line to neutral			
	Input current 230V/120V	4.6A / 9.7A	9.2A / 19.4A	13.9A / 29.1A	22.3A
OUTPUT	Voltage	100/110/115/120/127VAC (TX90) user selectable** 200/208/220/230/240VAC (TX90i) user selectable***			200/208/220/230/ 240VAC****
	Waveform	Sine wave			
	Frequency	50Hz ± 3Hz or 60Hz ± 3Hz synchronized with input			
	Transfer time	AC mode to Battery mode = 0 ms; AC mode to Bypass/ECO = 4 ms; Bypass/ECO to AC mode = 4 ms; ECO to Battery mode = 10 ms			
	Harmonic distortion	≤ 3% THD (linear load); ≤ 7% THD (non-linear mode)			
	Overload capacity	> 100% for 30 sec, > 130% for 1.5 sec			
BATTERY	Charge current	1.0A			
	Battery type	(2) 12V 9AH	(4) 12V 9AH	(6) 12V 9AH	(8) 12V 10AH
	Battery runtime	Half load = 11 min; full load = 5 min			
	Recharge	5 hours to 90% capacity			
PHYSICAL	UPS dimensions (W x D x H)	5.7 x 16.6 x 13.1 in (145 x 421 x 332 mm)	7.5 x 16.8 x 17.6 in (190 x 426 x 448 mm)		
	UPS weight	58.5 lbs (26.5 kg)	89 lbs (40.5 kg)	136 lbs (61.7 kg)	156 lbs (70.8 kg)
	Input connection	IEC C14 inlet	Terminal block w/ IEC C20	Terminal block or input cord (optional)	
	Receptacles (TX90)	(4) 5–15R	(8) 5–15/20R	(6) 5–15/20R + HW	N/A
	Receptacles (TX90i)	(4) IEC C13	(8) IEC C13	(6) IEC C13 + terminal block	
	LCD display	UPS status, load level, battery level, input/output/battery status, discharge timer, fault conditions			
APPROVALS		CE, RoHS			
WARRANTY		3 years electronics, 3 year battery warranty (USA and Canada)			
COMMUNICATIONS INTERFACE		Standard RS-232, optional USB, Web/SNMP, Relay/dry contact, and Modbus card			
INCLUDED IN BOX		Local monitoring CD, RS-232 cable, user manual			
AVAILABLE OPTIONS		Caster base, input cord sets, output receptacles (including NEMA L6–20R, L6–30R, or 6–15/20R), power distribution (XPDU)			

*Depending on load level; **TX90 capacity derates 20% at 100V output; ***TX90i 1000-3000 capacity derates 20% at 200V and 208VAC output voltage; ****TX90i-5000 capacity derates 20% at 200/208VAC output voltage

RS-232 port

RJ45 data line protection

IEC C14 inlet for connection of optional worldwide cord sets



TX90-1000 rear view

RS-232 port

RJ45 data line protection

Output breaker

Hardwired input/output terminal blocks



TX90i-5000 rear view

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