

Tekvision P-Series Online UPS

Your reliable Industrial Partner



Product Overview

Tekvision Electronics is proud to present 100% “Made in India” UPS for Industrial applications designed and perfected for extreme Indian environmental and Power conditions.

Tekvision UPS are trusted for critical applications viz. Data Centers, Mobile shelters, Network Centers, Medical & Healthcare Centers, Labs, Offices, Factories, Housing Societies, Banks & Insurance, ATM, Institutions, Printing Press, Colour Labs, Controll Rooms, etc.

Tekvision UPS are based on IGBT PWM technology (pure sine wave) and offer high performance, high reliability and sophisticated control systems.

The salient features are:

True ONLINE double conversion Power recreation.

Sine weighted high frequency PWM Inverter using IGBTs.

Galvanic Isolation between Mains and Load.

Flexibility in Number of Batteries Selection: 4/6/15/16 batteries for 1-PH & for 3-PH 25/29/34 number of batteries option.

Dual Step, Low ripple, CV / CC charging for extra long life of Batteries.

Quiet Operation.

High Overload Capacity and Crest Factor tolerance.

We Use All Indigenous Components for better reliability.

Tekvision is equipped with state of the art test set up that includes:

UPS System Test Panel:

Loaded with Buck-Boost TXR, 3-Ph Dimmer and Meters capable of testing of 1-PH and 3-PH UPS system.

LOAD Bank: For 1-PH & 3-PH UPS Load Testing.

In-house TXR Winding: Capable of winding OPTs / Chokes.

Standard Systems

INPUT	OUTPUT	POWER RATINGS (KVA)
SINGLE PHASE	SINGLE PHASE	3, 6, 8, 10, 12, 15, 20, 30
THREE PHASE	SINGLE PHASE	8, 10, 12, 15, 20, 30, 45
THREE PHASE	THREE PHASE	10, 12, 15, 20, 30, 45, 60, 80, 100

SPECIFICATION

(P-Series)

Parameters		3/6/8/10/12/15/20/30/45/60/80/100 KVA		
UPS details				
Topology	IGBT Based PWM Technology double conversion true Sine Wave Industrial Online UPS with Isolation TxR			
Output Power Capacity (KVA)	1-PH to 1-PH:3/6/8/10/12/15/20/30 3-PH to 1-PH:8/10/12/15/20/30/45 3-PH to 3-PH:10/12/15/20/30/45/60/80/100			
Specifications				
Input				
Phase	Single Phase 2 Wire with Earth Three Phase + Neutral			
Voltage	1-PH: 110/120/220/230/240 V AC 3-PH: 380/400/415 V AC			
Voltage Range (V)	(+/-30%) 1-PH: 161 - 300 V AC 3-PH: 290 - 540 V AC			
Frequency Range	45 - 55 Hz 55 - 65 Hz			
Power Factor	> 0.80			
Current THD	< 10%			
Battery				
Nominal Voltage	1-PH: 180/192V (12V X 15 or 16 Nos) 3-PH: 348 - 408V (12V X 29 to 34 Nos)			
Charging Current Maximum	1-PH: 4 A 3-PH: 15A			
Battery Charging Method	Dual Step (Float/Boost), Low Ripple Constant Voltage & Constant Current Battery Charging			
Output				
Nominal Output Voltage	1-PH: 220/230/240 3-PH: 380/400/415 VAC ± 1% (Field Adjustable)			
Frequency	50 / 60 / 400 Hz ± 0.1Hz			
Waveform	True Sine Wave			
THDv	< 2% Linear Load			
Crest Factor	3:1			
Load Power Factor	0.9 lag or better			
Overload Capacity	125% always 150% fo 1 Min 200% for 1 Sec			
Protections				
	Input Over Current	Input Over/Under Voltage	Battery Over/Under Voltage	
	Over Temperature	Output Over/Under Voltage	Output Overload/Short Circuit	
Visual Indications & Audible Alarms				
LED	MAINS / BATTERY / INVERTER / LOAD			
DISPLAY	Output Voltage / Output Load %			
AUDIBLE ALARM	Over Load / Mains Fail / Ba?ery low / Over temperature/ Short circuit			
Physical Characteristics				
Operating Temp	0~45°C Continuous			
Relative Humidity	10-95% RH non-condensing			
Noise Level	< 50 dBA at 1 meter			
Mechanical				
Ingress Protection (IP)	IP 21			
Cooling	Forced Air			
Dimension (W x D x H) in mm	1-PH: 330 x 490 x 590 or 400 x 600 x 900 3-PH: 550 x 850 x 1100 or 600 x 900 x 1200			
Weight in KG	1-PH: 60 / 90 Kg 3-PH: 200 Kg			

Note: Products upgrading is a continuous process, hence data in this Product Catalogue is subject to change without prior notice. These specifications are for a Standard Product. Customized specifications can be offered against specific requirements.