

# Top Star Series 1K-10KVA

## Outdoor Industrial Compact UPS

T1KVA - T10KVA (1ph in / 1ph out)



### Key Features:

- UPSEN Outdoor Intelligent High Frequency Online UPS provide continuous pure sine wave AC power supply for outside communications /network equipment.
- Double-conversion online design, pure sine wave output, high temperature resistant, anti-cold, sealing level for IP67.
- Automatic voltage regulation, with the wide range of input voltage and frequency of input window (-45% +35% rated voltage and  $\pm 10\%$  rated frequency).
- UPS construct with extreme/wide range temperature batteries and housed in a weatherproof protected enclosure.
- Over/Under voltage protection, surge protection and noise filtering.
- SNMP Card remote Power On/Off as optional.

# Technical Specification:

Model		T1K	T2K	T3K	T6K	T10K
Capacity	Capacity	1KVA/900W	2KVA/1800W	3KVA/2700W	6KVA/5400W	10KVA/9000W
Input	Nominal Voltage	220 / 230 / 240VAC				
	Nominal Frequency	50 / 60HZ				
	Voltage Range	115~230VAC			176~279VAC	
	Frequency Range	50HZ(45~55HZ), 60H(56HZ~64HZ)				
	Frequency Following Speed	1Hz/s				
	Power Factor	>0.95(Full load)			>0.98(Full load)	
Output	Voltage Precision	220 / 230 / 240 (±2%)VAC				
	Frequency Precision	50 / 60HZ ± 0.1Hz				
	Power Factor	0.9				
	Efficiency	≥88%			≥87%	
	THDI	< 3% (Linear load); < 7% (Non-linear load)			< 3% (Linear load); < 5% (Non-linear load)	
	Overload Capability	Load≥105%±5% turn to bypass after 25s-47s with alarm Load≥150%±5% turn to bypass after ≤25s with alarm Load≥200%±5% turn to bypass after ≤300 ms with alarm			>105%~130% transfer to bypass load returning to normal after recovery >130% transfer to bypass closed output in one minute	
	Crest Factor	3:1				
	Transfer Time	0ms: Utility Mode To Battery Mode <4ms: Invert Mode To Bypass Mode(standard value is 2.4ms)				
Battery	DC Voltage	36/48VDC	48/72VDC	96VDC	240VDC	
	Charge Current	4A/8A(Optional)			4.8A/9.6A(Option)	
	Internal Battery Capacity	12V 100AH(1 KVA Outdoor industrial UPS with backup battery time 120 minutes)				
Panel Display	LED/LCD Digital Display	Display input and output voltage, frequency, battery voltage, battery capacity, load percentage				
Communications	Communicate Interface	RS232; SNMP Card (Option)				
Protection	Protection function	Input/Output High Voltage, Over Load, Output Short, Over temperature, Battery Low, Over Charge, Surge Protection				
	Dry Contact	(Option)				
	Type	Relay				
	Function	①UPS Failure ②Utility Failure ③Door Opened				
	Maintenance switch	Manual Maintenance Bypass Switch				
	Surge Protection Degree	C CLASS				
Enviroment	Work Temperature	0~40℃				
	Temperature Range	-5℃ to 70℃				
	Humidity	0~95% Non-condensing				
	Altitude	< 2000m				
	Acoustic Noise	< 50dB (within 1 meter)				
Vibration per Nema TS2						
*Specifications are subject to change without prior notice.						