

T Series Online UPS



Model A, T series 20KVA high-frequency online UPS is a new generation of general-purpose UPS power supply launched by PROSE. It adopts advanced DSP digital control technology, effectively improves product performance and system reliability, and realizes integration and miniaturization of higher power density. At the same time, in order to fully meet the individual needs of users, high-end low-power online UPS power products specially launched for domestic small and medium-sized enterprises and small power supply environments can provide high-reliability power protection for users' departmental servers, small local area networks, workstations, industrial computers, small medical equipment and other small precision electronic instruments.

Small and medium-sized enterprise data room, financial system, small network, industrial automation control system, local area network server, communication base station server, internet cafe, shopping mall cashier, etc.

Characteristic

High Reliability:

- PFC, battery boost, charger and inverter all adopt advanced DSP digital control technology.
- The fan speed changes intelligently with the load rate, which can reduce the noise and prolong the service life of the fan.
- Perfect software and hardware protection function, super self-diagnosis function and rich historical record.
- Advanced digital parallel technology can obtain higher reliability than single machine system.
- Strong overload and shock resistance: The inverter output remains stable even when subjected to high-power nonlinear load shocks.
- Compatibility with various generator models: This reduces the operating costs for customers.
- Automatic short-circuit detection: If a short circuit is removed within 3 seconds, the inverter automatically resumes operation. If it persists beyond 3 seconds, the inverter locks and an alarm sounds continuously.

High Availability:

- Wide input voltage range, adaptive 50Hz/60Hz power grid system, suitable for various environmental power grids:
- Linear derating at low voltage input can reduce the number of battery discharges and prolong the service life of the battery.

- Double-input design can support different sources at the main side and improve the availability of bypass.
- Support 6 batteries, the number of batteries can be flexibly configured, saving customers' investment.
- Under the condition of no commercial power, the UPS can be started directly by the battery to meet the emergency demand:
- When the mains supply is unstable, the switching time of UPS power supply mode is zero, so that the output is guaranteed to be uninterrupted.
- Frequency conversion modes supporting 50Hz input 60Hz output and 60Hz input 50Hz output.
- Grounding and wiring error detection: An alarm is triggered if the power supply is not grounded or if the neutral and live wires are reversed, with the input indicator light flashing.

High intelligence:

- Support communication interfaces such as RS232, UPS.

High Ease of Use:

- LCD+LED display, combined with multi-function key operation, friendly man-machine interface; "Powerful background software, which can set various parameters and other operations.
- By simply increasing the backup time of the battery module.

Energy Conservation and Environmental Protection:

- Adopting active power factor correction (PFC) technology, the input power factor is as high as 0.99.
- It has the function of automatic startup and shutdown, which can be automatically started and shut down according to the load set by customers:

Rich Options:

- RS232, EPO are standard, SNMP card and smart card slot are optional.

3-Phase Input and 3-Phase Output T Series UPS 20kVA:

Mode		T20K33HLA	T20K33HIA
Power capacity		20kVA/18kW	
Input	Voltage range	305-478VAC (3-phase) at full load, 190~520VAC (3-phase) at 50% load	
	Rated voltage	3*400 VAC (3-phase + N)	
	Input Voltage	380/400/415V (Line voltage), 3 phase + N + E	
	Frequency	50Hz/60Hz ± 4Hz	
	Power factor	0.99	
Output	Output voltage	3*400 VAC (3-phase + N)	
	Frequency	50Hz/60Hz ± 4Hz	
	Frequency (Battery)	50Hz/60Hz ± 0.1Hz	
	Wave form	Sinusoidal wave	
	Power factor	0.8	
	Harmonic Distortion	≤ 2 % THD (Linear Load); ≤ 5 % THD (Non-Linear Load)	
	Peak value ratio	3: 1	
Efficiency	Main road mode >91.5%; ECO Mode 96%, Battery Mode ≥88%		
Display	LCD + LED		
Battery	Mode	It depends on external battery	12VDC/9Ah
	Qty	16~20 pcs	16pcs * 2set
	Charging voltage	273VDC ± 1% (Based on 20pcs)	218.4 VDC ± 1%
	Charging current	4A	1A
	Dc voltage	240VDC	
Communication mode		RS 232/EPO(Standard); SNMP and dry contactor(optional)	
Option		RS485 interface can be inserted and removed, SNMP card	
Bypass		Standard configuration	
Environment	Operating Temperature	0-40℃	
	Humidness	0-95%(non-condensing)	
Noise		<65 dB at 1m	
Altitude		<1000M no derating. Between 1000 and 2000 meters, the power is derated by 1% for every 100 meters increase in altitude.	
Size		250*592*576	250*592*826
W*D*H(mm)			
Weight (kg)		35	146

Ordering Information

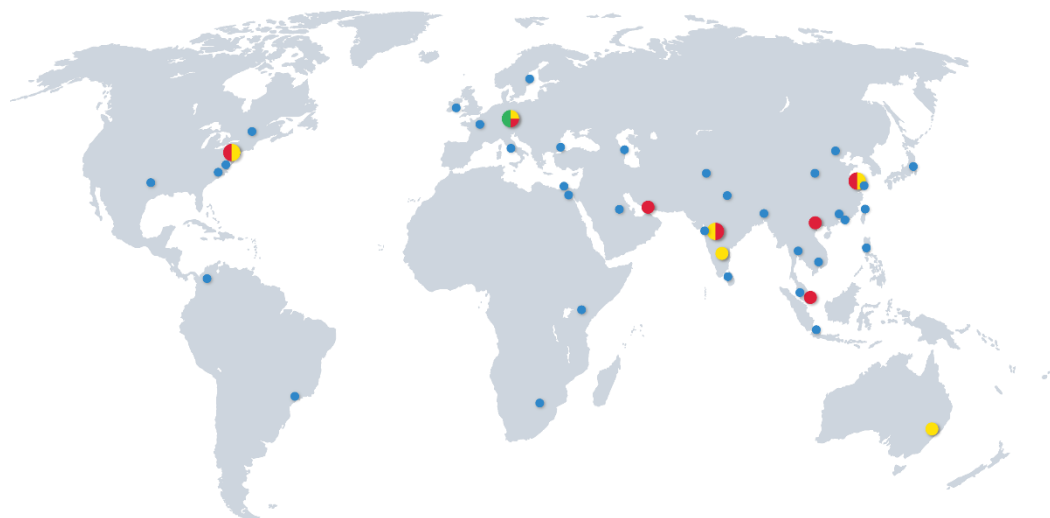
No	PN	Description	Weight
1	T20K33HLA	Tower type online UPS, Input 305-478VAC, Output 3*400VAC, 20KVA/18kW, without internal battery	35kg
2	T20K33HLAN	Tower type online UPS, Input 305-478VAC, Output 3*400VAC, 20KVA/18kW, without internal battery	35.3kg
3	T20K33HIA	Tower type online UPS, Input 305-478VAC, Output 3*400VAC, 20KVA/18kW, with internal battery	146kg
4	T20K33HIAN	Tower type online UPS, Input 305-478VAC, Output 3*400VAC, 20KVA/18kW, with internal battery, with SNMP card	146.3kg

Name Coding

XX	XXXX	XX	X	X	X	X
1	2	3	4	5	6	7

1: Installation Method	2: Power Capacity	3: Phase	4: Frequency	5: Backup	6: Series	7:Optional
R: Rack Mounted	1K: 1KVA	11: 1 Phase In, 1 Phase Out	H: High Frequency	I: Standard UPS (With Internal Battery)	A: A Series	N: SNMP
RT: Rack Mounted / Tower Type	2K: 2KVA	31: 3 Phase In, 1 Phase Out	L: Line-Frequency	L: Long-Run UPS (Without Internal Battery)	B: B Series	
	3K: 3KVA	33: 3 Phase In, 3 Phase Out			C: C Series	
	6K: 6KVA					
	10K: 10KVA					
	15K: 15KVA					
	20K: 20KVA					
	25K: 25KVA					
	30K: 30KVA					
	40K: 40KVA					

GLOBAL FOOTPRINT



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