

TITAN-33 SERIES

Three Phase Input / Three Phase Output

Power range: 10kVA~40kVA



Core Highlights



Large input voltage range: full load: 275Vac-475Vac; no-load: 207Vac-475Vac



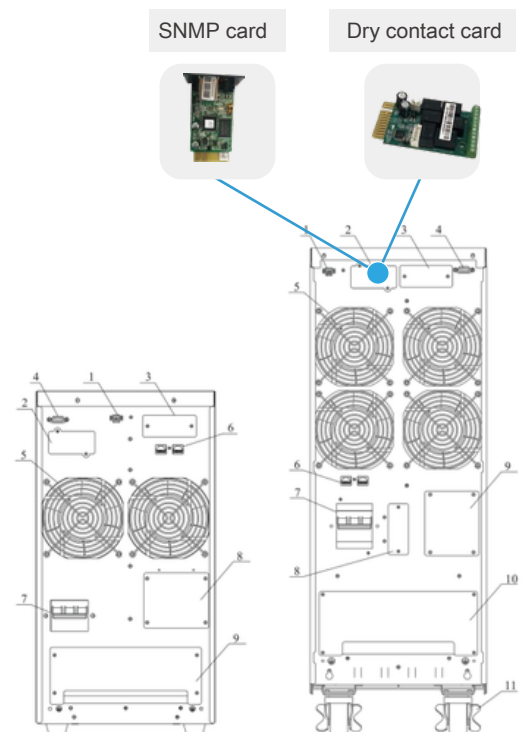
Large input frequency range: The UPS can work in mains INV mode if the input ranges from 40 to 70Hz.



High output accuracy: $\pm 1\%$ output voltage error.

Features

- **True Online 3:3 Phase:** High-frequency double-conversion technology with 100% unbalanced load support, ensuring input phase balance at all times.
- **Full Digital Control:** Advanced DSP (Digital Signal Processing) technology provides superior stability, precision, and system reliability.
- **High Efficiency & Eco-Friendly:** Delivers up to 93% efficiency, significantly reducing energy loss and operational costs while protecting the environment.
- **N+X Parallel Redundancy:** Supports flexible power expansion and enhances system availability, making it ideal for mission-critical applications.
- **Compact Tower Design:** Optimized footprint with the smallest volume in its class, saving valuable floor space in server rooms or offices.
- **Shared Battery Bank:** Allows multiple UPS units to share a single battery string, reducing the total number of batteries and lowering initial investment.
- **Integrated Battery (10-20k):** Standard 10-20k models feature a built-in battery design for a "plug-and-play" experience and easy installation.
- **Intuitive LCD Interface:** A large, user-friendly display provides clear, real-time monitoring of three-phase working status and key parameters.
- **Smart Remote Monitoring:** Supports SNMP cards and mobile app integration for 24/7 real-time data tracking and remote management.



Technical Specifications

Model		TT-33-10KS	TT-33-10KVA	TT-33-20KS	TT-33-20KVA	TT-33-30KS	TT-33-40KS
Rated Power		10kVA/9kW		20kVA/18kW		30kVA/27kW	40kVA/36kW
Input	Voltage Range	207-475Vac 3P4W+G					
	Working Frequency Range	40-70Hz (settable)					
	Input Power Factor	≥0.99					
Output	Rated Voltage and Accuracy	346 / 360 / 380 / 400 / 415Vac(1±1%) 3P4W+G					
	Output Frequency	46-54Hz synchronize with mains power; 50Hz (Mains power between 40-46Hz and 54-60Hz); 50Hz(Battery)					
	Rated Current	15A	30A		45A	61A	
	Output Power Factor	90.00%					
	Output Harmonic Wave	≤3% (Full R Load)					
	Crest Factor	3:1					
	Output Overload	105%+5%<Load≤125%+5%: Convert to bypass output and alarm after 1min;					
		125%+5%<Load150%+5%: Convert to bypass output and alarm after 30s;					
		Load>150%+5%: Convert to bypass output and alarm after 300ms.					
Conversion time between Mains Power and Battery		0ms					
Efficiency		>92%				>91%	
Battery	Rated Voltage	192 / 240Vdc				±192 / 240Vdc	
	Quantity	16 / 20 pcs				32 / 40 pcs	
	Charging Current	5.5A	1A	7.5A	1A	5.5A	
	Dimensions(LxWxH)mm	533x260x490	560x260x717	710x260x717		710x260x717	
	Weight	26 kg	72 kg	58 kg	98 kg	62 kg	63.5 kg
	Working Temperature	0°C~40°C					
	Working Humidity	20%~95%(non-condensing)					
	Noise Level (dB)	≤60dB					

Note:

1. Product specifications are subject to change without notice.

2. **Model Suffix Guide:**

- **S:** Long-run model (Designed for external battery bank connection).
- **KVA:** Standard model (Equipped with internal batteries).