



SANTAK TRUE ONLINE RACK SERIES UPS

RACK UPS

Rack 1-3kVA

Power Management Expert



AUTHORIZED DISTRIBUTOR OF SANTAK UPS PRODUCTS IN VIET NAM

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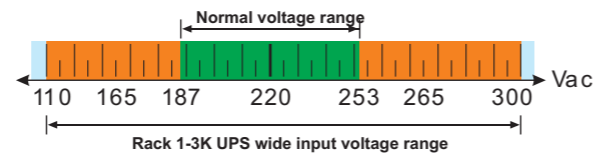
Rack 1-3KVA UPS Introduction

SANTAK Rack 1-3KVA UPS is on-line double conversion topology uninterruptible power supply with outstanding performance and provide reliable power to the critical equipment of customer. It can work perfectly in harsh utility environment, eliminate all kinds of disturbances in utility power and provide high quality and precise pure sinewave output to protect the precious equipment of customer. It is ideal solution for small power protection needs.



High reliability design improve the product compatibility with different kind utility environment, and reduce the failure may occur to minimum

- Wide input voltage and frequency range design is compatible with harsh power environment and reduce the use of battery and extend battery lifetime
- Enhance UPS reliability with high quality components and excellent control design in firmware



Typical application

- Network closet
- Telecom Rack
- Precise equipment
- Process control
- Security and monitoring
- IT equipment in medical and industry

User Friendly & Intelligent Management

- Provide various intelligent monitoring solution for IT and industrial environment to help user to realize the remote control and central monitoring easily
- Short depth save installation space
- Auto-restart when utility power is recovery, and support start-on-battery function
- WINPOWER software is compatible with virtualization platform



Product Performance

High Power density and green design

- 2U x 570mm depth delivery up to 3KVA backup power
- Green design with high output power factor, high efficiency and low input harmonic

Easy use, Easy extension

- 19inch standard cabinet or non-standard cabinet compliant
- Extendable backup time with EBM to meet long backup time needs from customer
- Resettable input circuit breaker
- Can start without mains
- Standard RS232 communication, NMC card, MODBUS card, Relay card optional

High adaptability and reliability

- Wide input voltage and frequency range, to minimize battery use and extend battery lifetime
- Online double conversion technology assure reliable high quality backup power to customer equipment
- Adapted to remote area with poor grid power
- Adapted to middle and big cities under power supply shortage pressure



Up to **0.9** output power factor
Providing more power supply



Model	Rack 1K	Rack 1KS	Rack 2K	Rack 2KS	Rack 3K	Rack 3KS
Capacity	1kVA		2kVA		3kVA	
Input	Input Voltage Range (110-300)VAC					
	Frequency Range 40-70Hz					
	Input Power Factor ≥0.98					
Battery and charger	Rated Battery Voltage	24V	36V	48V	72V	96V
	Type	Maintenance-free Sealed Lead-acid UPS Batteries				
	Number of Internal Battery	2PCS	-	4PCS	-	6PCS
	Recharge Current	1A	6A	1A	6A	1A
Output	Nominal Output Voltage 220*(1±2%)VAC					
	Frequency Range Same with main (Line mode) 50±0.05Hz (Battery mode)					
	Output Power Factor 0.9@30°C and 0.8@40°C;					
	Overload capacity 105%-150%, 47s-25s; 150%-200%, 25s-300ms; >200%, 200ms (0.8PF)					
	Outlet		IEC C13*6 pcs			
Transfer Time	Battery Mode<-->InverterMode 0ms					
	Inverter Mode<-->BypassMode 4ms (typical)					
Backup time(80% load, 0.8PF)		>4.5 min	depends on customer configuration	>4.5 min	depends on customer configuration	>4.5 min
Indicator	LED Load, battery capacity, UPS working mode					
Alarm	Battery Discharge Battery full: 1buzzing/4s; Battery empty: 1buzzing/1s					
	UPS Alarm Buzzing continue					
Auto restart		Auto restart while mains recover				
Interface	USB Monitoring					
	Optional Parts NMC Card, Modbus Card, Relay Card					
Environment	Temperature 0°C-40°C					
	Humidity <95%					
Net Weight	UPS	11	7.2	17.5	8.9	21.6
	Battery Pack	-	20.0	-	20.0	-
Dimension (W*D*H)	UPS	438*420*87	438*420*87	438*570*87	438*420*87	438*570*87
	Battery Pack	-	438*420*87	-	438*420*87	-

Note:

- * All internal batteries are default as STK brand, any other battery brand might be applied without prior notice.
- * Backup time is approximate and may vary with equipment, configuration, battery age, temperature, etc.
- * In the interests of continuous product improvement, all specifications are subject to change without notice.

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