

SMART TOWER ONLINE UPS



SMART TOWER ONLINE UPS

1–3kVA | Single-Phase | Online Double Conversion

The **Quant Smart Tower Online UPS (1–3kVA)** is a highly reliable, single-phase uninterruptible power supply designed to deliver continuous, clean, and stable power for mission-critical applications.

With true online double-conversion topology, the UPS ensures zero transfer time and provides consistent protection for IT equipment, servers, ELV systems, security networks, industrial controls, and sensitive electronics.

Offering a wide input voltage range (110–300 VAC), output power factor of 1.0, and high charging current capability up to 12A, the Quant Smart Tower series provides superior performance and long-term reliability in demanding environments.



KEY FEATURES

- True Double-Conversion Online Technology for continuous high-quality power.
- Output Power Factor = 1.0, delivering full kW output.
- High Efficiency up to 96% to minimize energy consumption.
- Wide Input Voltage Window: 110–300Vac, ideal for unstable grids.
- High Battery Charging Current (up to 12A) for faster recharge.
- Zero Transfer Time on power failure.
- Advanced LCD Display for real-time system monitoring.
- Intelligent Battery Management to maximize battery life.
- Auto & Manual Bypass for uninterrupted operation.
- Comprehensive Protections including overload, short circuit, surge, overheating, and deep discharge.
- Flexible Communication Ports: USB, RS232, optional SNMP/AS400/RS485.
- Compatible with External Battery Packs for extended runtime.

SMART TOWER ONLINE UPS



TECHNICAL SPECIFICATIONS

MODEL		SMT-T001-I	SMT-T015-I	SMT-T002-I	SMT-T003-I
Rate Power		1kVA/1kW	1.5kVA/1.5kW	2kVA/2kW	3kVA/3kW
Cold start		Default output 50/60Hz			
Input voltage range		110~300VAC;100% load@176VAC~276VAC, 100%~50% power derating@110VAC~176VAC, 50% load@276VAC~300VAC			
Input power factor		≥0.99			
Frequency range		50/60±5Hz(default), ±3Hz/±10Hz(settable)			
Output power factor		1.0			
Output	Rate voltage	220/230/240VAC,200/208VAC(PF=0.9)			
	Load response	≤5% (0% - 100% -0%)			
	Recovery time	≤40ms (0% - 100% -0%)			
	Output THDu	≤2% , Linear load ; ≤ 5% non-linear load according to IEC62040-3			
	Socket (option)	IEC, Schuko, NEMA, South Africa, UK			
Battery	Quantity	2(12VDC*9Ah) 3(12VDC*7/9Ah)	3(12VDC*9Ah)	4(12VDC*9Ah) 6(12VDC*7/9Ah)	6(12VDC*9Ah) 8(12VDC*7/9Ah)
	Max charging	1A			
	Rate voltage	24/36VDC	36VDC	48/72VDC	72/96VDC
Standard		EPO, RS232			
Option		SNMP card, AS400, USB, RS485, Air filter			
Dimension W*D*H (mm)		144*355*226		190*400*328	190*400*328
Weight (kg)		10.5		20.5	25.0
Country of Origin		Malaysia			
Warranty		2 years			

SMART TOWER ONLINE UPS



OPTIONS & ACCESSORIES

- External Battery Pack (EBP)
- SNMP Network Management Card
- AS400 Relay Interface Card
- RS485 Communication Module
- Dustproof Air Filter
- Rack/Tower Conversion Kit

APPLICATIONS

- Government and Public Sector
- Banking & Financial Institutions
- IT Servers and Network Equipment
- CCTV, NVR, Access Control, and ELV Systems
- Data Centers and Edge Computing
- Transportation & Infrastructure
- Healthcare and Laboratory Equipment
- Telecommunications and Broadcasting
- Industrial Automation
- Corporate Offices & Education Facilities

ORDERING INFORMATION

Model	Description
SMT-T001-I	Quant Smart Tower Online UPS 1kVA
SMT-T015-I	Quant Smart Tower Online UPS 1.5kVA
SMT-T002-I	Quant Smart Tower Online UPS 2kVA
SMT-T003-I	Quant Smart Tower Online UPS 3kVA

