

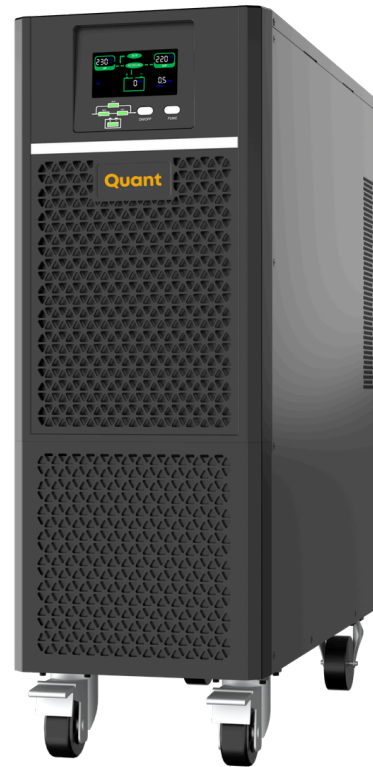
PROLINE TOWER ONLINE UPS



PROLINE TOWER ONLINE UPS (6–20 kVA, Single-Phase)

The **QUANT PROLINE Tower Online UPS** series is a premium single-phase power protection solution designed for critical applications that require continuous, clean, and stable power.

Using advanced online double-conversion technology, the system ensures zero-transfer time, providing uninterrupted power for sensitive equipment in Government, Banking, IT, Education, Medical, Transportation, and Industrial environments.



KEY FEATURES

- **True Online Double-Conversion Technology**
Ensures pure, stable, and isolated output with zero transfer time.
- **High Output Power Factor = 1.0**
Supports full-rated kW load with maximum efficiency and compatibility with modern IT equipment.
- **Wide Input Voltage Range**
Ensures stable operation even in unstable electrical environments.
- **Advanced 3-Level Inverter Topology**
Higher efficiency, lower heat generation, extended component life.
- **Intelligent Battery Management (IBM)**
Optimized charging control, longer battery lifespan, and automatic battery self-test.
- **Adaptive Half-Wave Load Support**
Capable of handling non-linear and computer-grade loads.
- **Digital Control Platform**
Full DSP control ensures reliability, fast response, and high efficiency.
- **Automatic Fault Waveform Recording**
Helps technicians with diagnostics and root-cause analysis.
- **Self-Aging Function**
Internal self-test without external load to reduce testing energy and time.

PROLINE TOWER ONLINE UPS



TECHNICAL SPECIFICATIONS

MODEL		PL-T006-I	PL-T010-I
Rate Power		6kVA/6kW	10kVA/10kW
Cold start		Default output 50/60Hz	
Input voltage range		110~288VAC (220/230/240VAC); 176VAC~288VAC,full load;176~110 VAC ,power derate from 100% to 50%	
Input power factor		≥0.99	
Frequency range		40-70Hz	
Output frequency		50/60Hz, self-adaption	
Output power factor		1	
Rate output		220/230/240VAC	
Load regulation		±1%	
Output THDu		≤1%THD, linear load; ≤5%THD, non-linear load	
Transfer time-main to BAT		0ms	
Transfer time-INV to BYP		0ms	
Efficiency-normal mode		Max 95%	
Efficiency-ECO mode		98%	
Noise (1 meter)		58dB	
Overload (normal mode)		110%:10mins;125%:1min;150%: 30 seconds	
Battery	Model	12VDC/7Ah	12VDC/9Ah
	Quantity	20	20
	Max charging	1A	1A
	Rate voltage	Default 192VDC, settable	

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TECHNICAL SPECIFICATIONS

MODEL	PL-T006-I	PL-T010-I
Crest	3:1	
Display	LED+LCD	
Standard	RS232, EPO, RS485	
Option	AS400, SNMP card, Parallel kit, Maintenance bypass kit, 12A charger, Air filter	
Dimension, W*D*H (mm)	190*605*550	190*605*550
Weight (kg)	56	60
Certifications	CE	
Country of Origin	Malaysia	
Warranty	2 years	

OPTIONS & ACCESSORIES

- SNMP network management card
- AS400 dry-contact card
- Parallel kit for load sharing
- External battery packs
- High-current 12A charger module
- Air filter kit
- Maintenance bypass (MBS)

PROLINE TOWER ONLINE UPS



APPLICATIONS

- Government & Ministries
- Financial Institutions & Data Rooms
- IT Networks & Servers
- Education Centers
- Healthcare & Medical Equipment
- Transportation Systems
- Broadcasting & Communication Facilities
- Energy & Utility Infrastructure

TYPICAL APPLICATIONS

- Server Rooms & Edge Data Centers
- Access Control & CCTV Systems
- Industrial Control Panels
- Medical Diagnostic Equipment
- Emergency Communication Infrastructure
- Building Management Systems (BMS)
- Banking ATMs & Payment Systems
- Power Backup for IoT & Smart Building Solutions

ORDERING INFORMATION

Model	Description
PL-T006-I	QUANT PROLINE Tower Online UPS, 6kVA/6kW
PL-T010-I	QUANT PROLINE Tower Online UPS, 10kVA/10kW

