

ARIET

T1K BASIC

Single-phase online UPS

Floor type

Online double conversion



Office and server
equipment



Financial
systems



Medical facilities
and laboratories



Data center



Telecommunications
systems

Single-phase online UPS is designed to protect sensitive equipment from power outages, voltage sags and surges, interference and harmonic distortion of the network.

The model's key advantage is its online double-conversion topology and pure sine wave output, ensuring a stable and high-quality power supply.

The UPS has high efficiency, power factor PF=0.9 and a wide input voltage range.



SCENARIOS

Protecting workstations and servers from power outages.

Power supply for critical systems: laboratory and diagnostic equipment

Protecting switches, routers, and data transmission equipment

BENEFITS

True online double-conversion technology ensures that connected devices always receive clean, stable power, protecting them from voltage surges and fluctuations.	An intelligent RS232/USB port with monitoring software allows for easy remote monitoring and control of the UPS, providing real-time status tracking.
An output power factor of 0.9 provides up to 12.5% more power than the traditional PF	An optional battery expansion module increases battery life. The model supports ECO mode and battery-less operation.
Wide input voltage range — the device automatically adapts to unstable and unstable power grids.	Compact size , takes up little installation space, programmable LCD display for quick setting of UPS parameters.
User-friendly interface — simple controls and easy operation.	Intelligent battery management — optimizes charge/discharge modes and extends battery life.

Layout diagram

① RS232

② USB

③ EPO

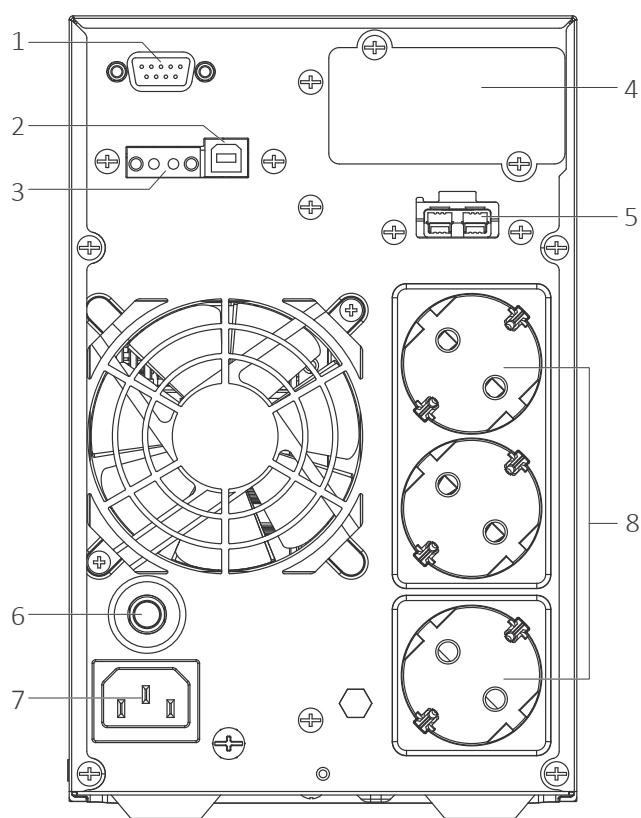
④ Smart slot

⑤ External Battery

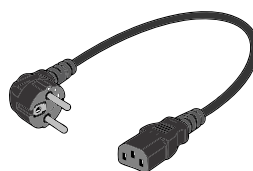
⑥ Input circuit breaker

⑦ Power input jack

⑧ Output socket



Eu sockets -
3 pcs.



Cable with a Eu plug

Technical specifications

MODEL	T1K BASIC
Capacity	1 kVA/900 W
Input	
Rated Voltage	110/115/120/125VAC, Default 120VAC
Input Voltage Range	55~145VAC
Frequency Range	40Hz-70Hz
Input Wiring	Single Phase with Ground
Output	
Output Power Factor	0,9
Nominal Output Voltage	110/115/120/125VAC, Default 120VAC
Voltage Regulation	±1%
Frequency Range (Battery Mode)	50/60Hz ±0.05Hz
Over Load	100%~105% continuous. 60Sec.@105%~130% Rated Load
Voltage Distortion (THDv)	<2% @ linear load
Output Waveform	Pure Sine Wave
Efficiency	
Inverter Mode	88%
Battery	
Battery Type	VRLA
Battery	12V / 7Ah
Number of Internal Battery	2
Rated Battery Voltage	24VDC
Charging Current	1A
Recharging time (90%)	5 hours
Transfer Time	
Battery Mode <-> Inverter Mode	0 ms
Inverter Mode <-> Bypass Mode	<4 ms
ECO Mode <-> Battery Mode	<10 ms
Display	Segment LCD
Audible Alarm	Yes
Interface	
Connector	RS232/USB
External Slot	Yes, for optional NMC Card/CMC Modbus Card/AS400 Card
Emergency Power Of	Yes
Environment	
Operating Temperature	0~40°C
Regulation	cTUVus, FCC
Noise	<55dB (front 1m distance, without buzzer)
Physical	
Dimensions (W*D*H)mm	144×224×325
Weight, kg	16.1