



ARIET

T10KL BASIC

Single Phase Online UPS

Floor-standing type
Online double conversion



Office and server
equipment



Medical facilities
and laboratories



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.

True online double conversion technology: Provides continuous high-quality power with zero transfer time, protecting your critical equipment from voltage fluctuations.



SCENARIOS

Protecting workstations and servers from power outages.

Power supply for critical systems: laboratory and diagnostic equipment

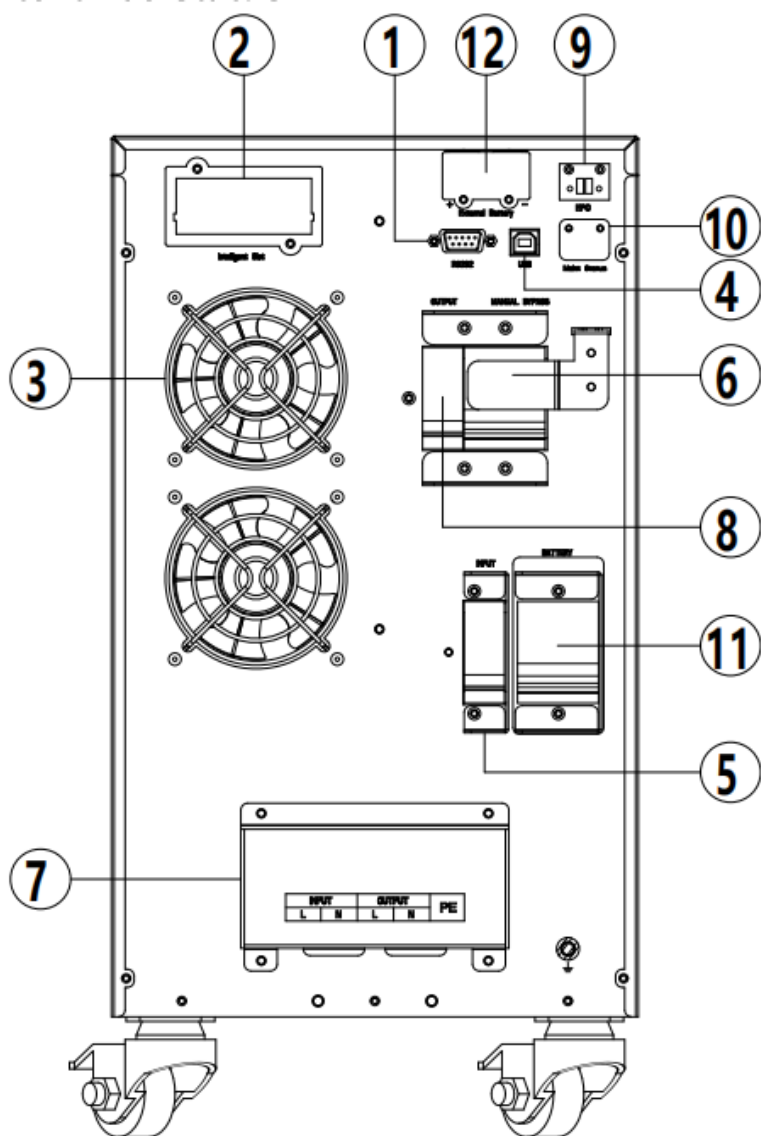
Protecting switches, routers, and data transmission equipment

BENEFITS

<p>High efficiency — achieves up to 95% AC conversion efficiency in line mode and 94.5% in battery mode, and 98% efficiency in ECO mode.</p>	<p>Wide Input Voltage Range — supports uninterrupted operation across an input voltage range from 110 VAC to 300 VAC, ensuring high adaptability to various power supply conditions.</p>
<p>Power Factor Correction (PFC) technology ensures input power factor >99% and low Total Harmonic Distortion (THDi) (≤5% for linear loads, ≤8% for non-linear loads), ensuring compatibility with modern power systems.</p>	<p>DSP technology uses digital signal processing to ensure high performance and reliability, delivering a pure sine wave output with ±1% voltage accuracy and THDu ≤2% for linear loads.</p>
<p>Intelligent monitoring and control includes an intelligent RS232/USB port with monitoring software, as well as optional SNMP, RS485, and AS400 cards for advanced remote management.</p>	<p>Flexible battery options allow the use of both internal and external batteries for extended runtime.</p>
<p>A sophisticated design with automatic fan speed control, Emergency Power Off (EPO) function, and advanced overload capabilities ensures stable and reliable system operation.</p>	<p>Supports operation with generators and cold start function from batteries, which guarantees stable and continuous operation even with an unstable or absent power supply.</p>

Компоновочная схема

- ① RS232
- ② Smart slot
- ③ Fan
- ④ USB
- ⑤ Input breaker
- ⑥ Maintenance breaker (optional)
- ⑦ Terminal block
- ⑧ Output breaker (optional)
- ⑨ EPO
- ⑩ Maintenance status
- ⑪ Battery Breaker (optional)
- ⑫ External battery port (optional)



Technical specifications

MODEL	T10KL BASIC
Capacity	10kVA/9kW
Input	
Rated Voltage	208/220/230/240 Vac, L+N+PE
Voltage Range	110~300Vac
Frequency Range	50/60±6Hz
Power Factor	≥0,99
THDI	≤5% (linear load); ≤8% (non-linear load)
Output	
Rated Voltage	208/220/230/240Vac, L+N+PE
Voltage Precision	±1%
Frequency	50/60Hz ± 0.1%
THDu	≤2% (linear load); ≤5% (non-linear load)
Transfer Time	Zero
Waveform	Pure sine wave
Crest Factor	3:1
Overload Capacity (Line Mode)	102%~105% load, 30min; 105%~125% load, 10min; 125%~150% load, 30s; >150% load, 500ms
Overload Capacity (Battery Mode)	102%~105% load, 10min; 105%~125% load, 1min; 125%~150% load, 10s; >150% load, 500ms
Efficiency	
Line Mode	95%
Battery Mode	94,50%
ECO Mode	98%
Battery	
Nominal Voltage	144Vdc
Battery Number	9Ah*14 pcs
Charge Current	1A(1-12A)
Interface	RS232 / USB/ SNMP card(optional) / AS400 card(optional)/RS485 card(optional)
Environment	
Operation Temperature	0~40°C
Humidity	0~95% (non-condensing)
Noise	≤50dB 1 meter away
Altitude	Up to 1000 m without derating
Physical	
Dimensions (W*D*H)mm	190*437*322
Weight (kg)	11