



**ARIET**

**T6KL 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

**High efficiency** — achieves up to **95% AC** conversion efficiency in line mode and **94.5%** in battery mode, and **98%** efficiency in **ECO** mode.

**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.

**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.

**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.

**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.

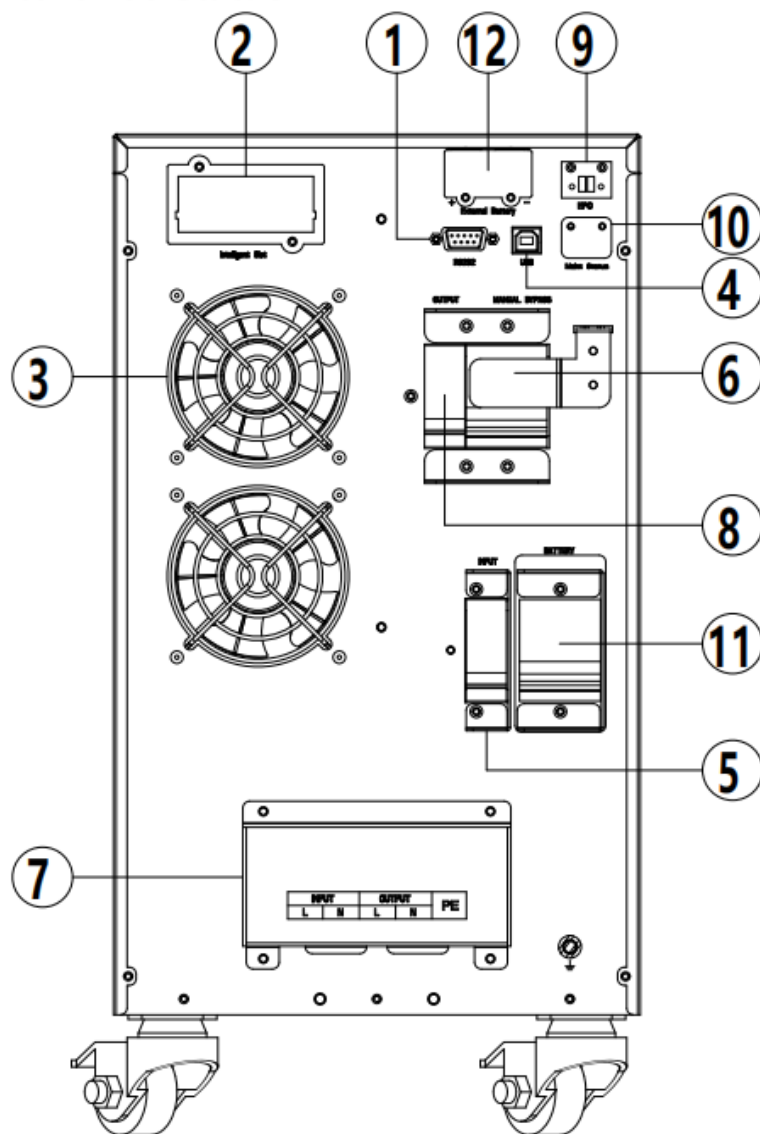
**Flexible battery options** allow the use of both internal and external batteries for extended runtime.

**A sophisticated design** with automatic fan speed control, Emergency Power Off (**EPO**) function, and advanced overload capabilities ensures stable and reliable system operation.

**Supports operation with generators and cold start function** from batteries, which guarantees stable and continuous operation even with an unstable or absent power supply.

## Layout diagram

- 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	T6KL BASIC
<b>Capacity</b>	6kVA/5.4kW
<b>Input</b>	
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)
<b>Output</b>	
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
<b>Efficiency</b>	
Line Mode	95%
Battery Mode	94,50%
ECO Mode	98%
<b>Battery</b>	
Nominal Voltage	144Vdc
Battery Number	7Ah*12 pcs
Charge Current	1A(1-12A)
<b>Interface</b>	RS232 / USB/ SNMP card(optional) / AS400 card(optional)/RS485 card(optional)
<b>Environment</b>	
Operation Temperature	0~40°C
Humidity	0~95% (non-condensing)
Noise	≤50dB 1 meter away
Altitude	Up to 1000 m without derating
<b>Physical</b>	
Dimensions (W*D*H)mm	190*437*322
Weight (kg)	10