



ARIET

**T6KRS
T10KRS**

Single Phase Online UPS

Rack-mounted type
Online double conversion



Office and server
equipment



Medical facilities
and laboratories



Telecommunications
systems

The **T6-10KRS** series **UPS** is designed to ensure stable operation thanks to an advanced battery management system.

Rated at 240 VDC, the UPS is equipped with high-capacity batteries, ensuring extended runtime during power outages.

A digital charging circuit regulates the charging current from 1 A to 12 A, optimizing battery life and charging efficiency.

Furthermore, the cold battery start feature allows the UPS to start and maintain loads even without a power connection, providing critical backup power in emergency situations.



SCENARIOS

IT infrastructure and office equipment

Hospitals and diagnostic centers

Mobile operators and internet providers

Protecting workstations and servers from power outages.

Power supply for critical systems: laboratory and diagnostic equipment

Protecting switches, routers, and data transmission equipment

BENEFITS

The UPS adapts to a wide range of applications — from small offices to large industrial facilities— thanks to its flexible architecture and wide input voltage range.

A high output power factor of 1 (kVA/kW) enables efficient support of a broad variety of loads without loss of rated power or unnecessary strain on the electrical network.

Generator compatibility and tolerance to unstable power grids make the UPS a reliable solution for locations with poor power quality.

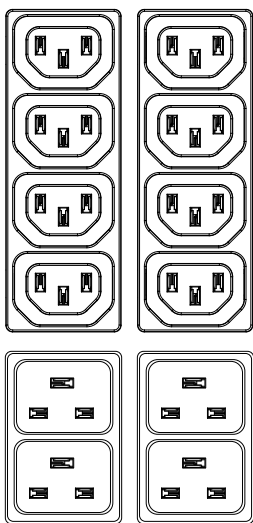
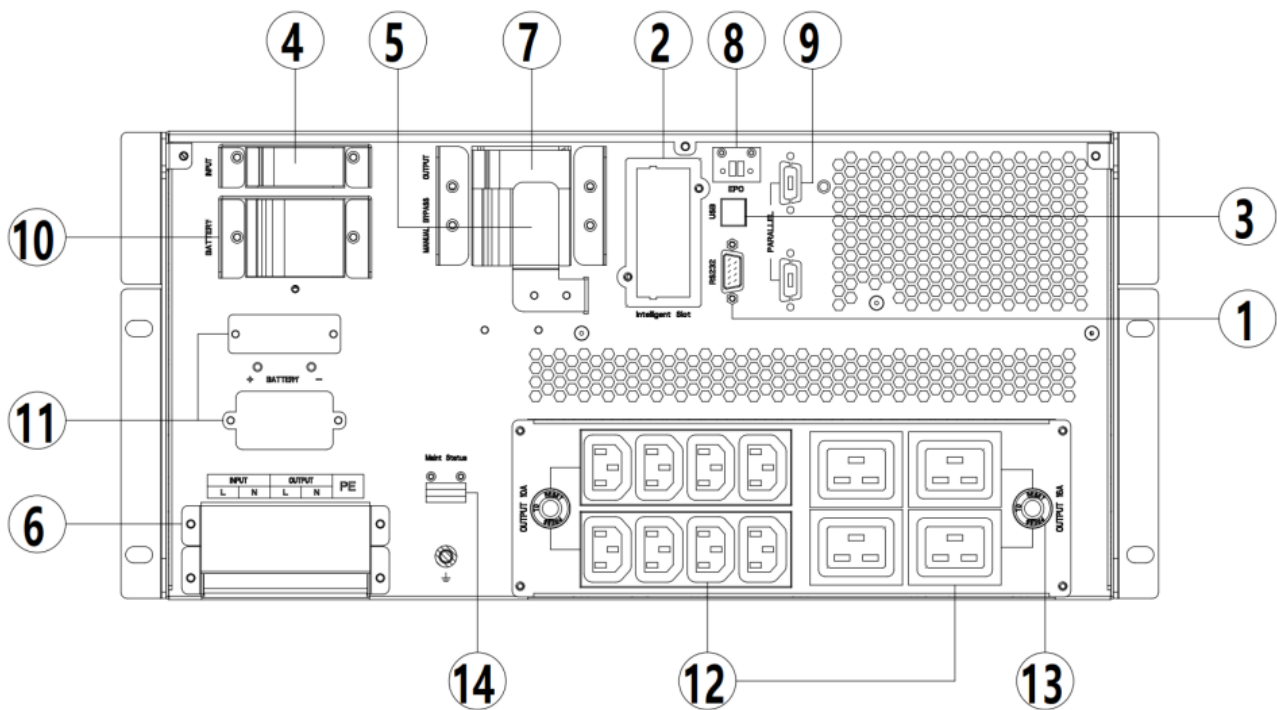
Enhanced safety is ensured through an Emergency Power Off (EPO) function and automatic output overcurrent protection.

A modular design and expandable battery capacity allow easy scalability and system upgrades as business needs grow.

Integration with modern monitoring systems and professional technical support ensure long-term reliability and continuous UPS operation.

Layout diagram

- ① RS232
- ② Smart slot
- ③ USB
- ④ Input breaker
- ⑤ Maintenance breaker
- ⑥ Terminal block
- ⑦ Output breaker
- ⑧ EPO
- ⑨ Parallel port
- ⑩ Battery Breaker
- ⑪ External battery connection port
- ⑫ Output socket
- ⑬ Output over current protection breaker
- ⑭ Maintenance status



Sockets - IEC C13 - 8 pcs.

Sockets - IEC C13 - 4 pcs.

Technical specifications

MODEL	T6KRS	T10KRS
Capacity	6kVA/6kW	10kVA/10kW
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	192VDC (optional 240VDC)	
Battery Number	9Ah*16 pcs/ (9Ah*20 pcs optional)	
Charge Current	1A(1-12A)	
Interface	RS232 / USB/ SNMP card/ AS400 card(optional)/RS485 card(optional)/parallel port (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	440*711*173	440*711*173
Weight (kg)	70	74