



ARIET

**T1KRS
T2KRS
T3KRS**

Single Phase Online UPS

Rack-mounted type
Online double conversion



**Office and server
equipment**



**Medical facilities
and laboratories**



**Telecommunications
systems**

The **T1-3KRS** series **UPS** — is a state-of-the-art power protection solution designed to ensure reliable and stable operation of your critical electrical systems.

With online double-conversion technology and a wide input voltage range, this series of UPSs delivers high performance and operational flexibility.

This makes them an ideal solution for a wide range of applications, from protecting equipment in small offices to providing uninterruptible power to large data centers.

Whether it's office equipment, data center infrastructure, or other critical systems, this UPS will be a reliable partner, guaranteeing a continuous and stable power supply.



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

Generator compatibility and battery cold start capabilities — make the UPS easily adaptable to a variety of power sources and operating scenarios.

High efficiency — with AC conversion efficiency of up to **95%**, the UPS not only saves energy but also reduces operating costs, making it a cost-effective solution.

ECO mode — further increases energy efficiency, reaching up to 98% efficiency while maintaining reliable protection against power outages.

The hot-swappable battery allows for easy battery replacement without interrupting power, minimizing downtime and ensuring continuous operation.

Rack/Tower Convertible Design and expandable battery capacity allow the system to be easily scaled and upgraded as your business grows.

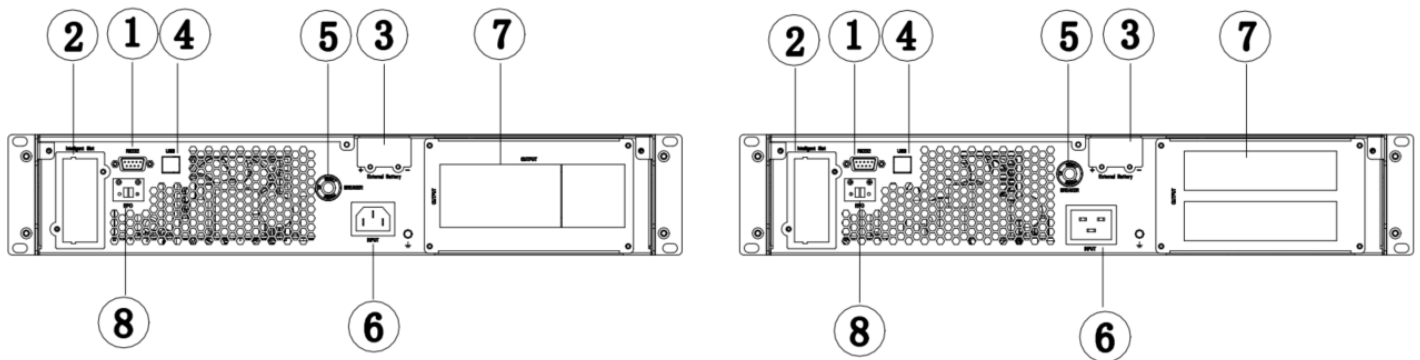
Power Factor Correction (PFC) technology ensures input power factor greater than **99%**, ensuring high power quality and compatibility with various electrical systems.

An intelligent RS232/USB port with monitoring software allows for easy remote monitoring and control of the UPS, providing real-time status tracking.

True online double-conversion technology ensures that connected devices always receive clean, stable power, protecting them from voltage surges and fluctuations.

Layout diagram

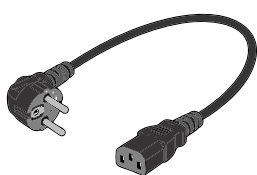
- ① RS232
- ② Smart Slot
- ③ External battery port
- ④ USB
- ⑤ Input over current protection breaker
- ⑥ AC input
- ⑦ Output socket
- ⑧ EPO



T1KRS

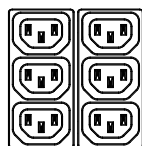


Sockets-
IEC C13 -4 pcs.

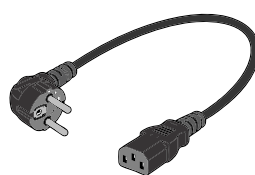


Cable with a EU Plug

T2KRS

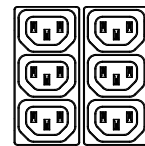


Sockets-
IEC C13 -6 pcs.



Cable with a EU Plug

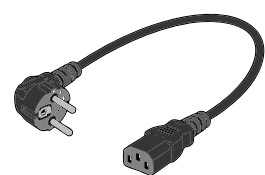
T3KRS



Sockets-
IEC C13 -6 pcs.



Розетки -
IEC C19 -4шт.



Cable with a EU Plug

Technical specifications

MODEL	T1KRS	T2KRS	T3KRS
Capacity	1 kVA/1 kW	2 kVA/2 kW	3 kVA/3 kW
Input			
Rated Voltage	208/220/230/240 Vac, L+N+PE		
Voltage Range	110~300 Vac		
Frequency Range	50/60±6 Hz		
Power Factor	≥0,99		
THDI	≤4% (linear load); ≤5% (non-linear load)		
Output			
Rated Voltage	208/220/230/240 Vac, L+N+PE		
Voltage Precision	±1%		
Frequency	50/60 Hz ± 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%~110% load, 30min; 110%~130% load, 10min 130~150% load, 30s;; >150%, load, 200ms		
Overload Capacity (Battery Mode)	102%~110% load, 1 min; 110%~130% load, 10 s; 130%~150% load, 3 s; >150%, 200 ms		
Efficiency			
Line Mode	94,50%	95,50%	95,50%
Battery Mode	88,50%	91,50%	91,50%
ECO Mode	98%	98%	98%
Battery			
Nominal Voltage	36 Vdc	72 Vdc	96 Vdc
Battery Number	7Ah*3 pcs	9Ah*4 pcs	9Ah*6 pcs
Charge Current	1A(1-12A)	1A(1-12A)	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 1meter away		
Altitude	Up to 1000m without derating		
Physical			
Dimensions (W*D*H)mm	440*369*86	440*450*86	440*564*86
Weight (kg)	13	22.5	27.8