

Online single-phase UPS

ATP One RT

Power: 6~10KVA, PF 1

Input voltage: 208-240 Vac

Output voltage: 208-240 Vac



ATP-One RT is the high-density version of ATP-One series. With an output power factor 1 and 94% operating efficiency in online mode, it's suitable for powering a wide range of devices such as servers, data center, industrial processes, telecommunications and security systems.

Operation panel

Displays information on the status of the UPS, input and output electrical parameters, charge percentage and backup time of the UPS system. Allows the selection of operating modes and configuration of equipment operating parameters.

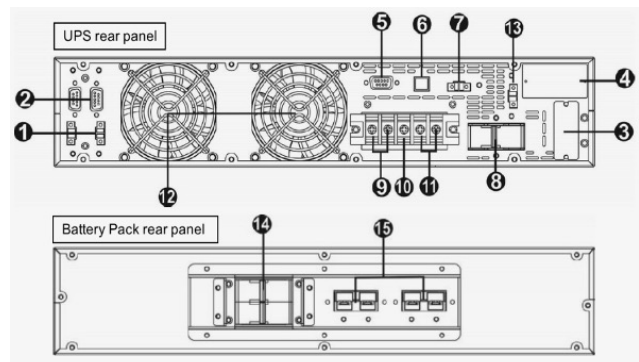


ATP One RT Features

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1
- High efficiency up to 94%
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers
- Optional N+X parallel redundancy
- Adjustable charging current via LCD panel
- Supporting Hot Standby function

UPS Back panel

1. Share current port (only for parallel model)
2. Parallel port (only available for parallel model)
3. External battery connector
4. Intelligent slot
5. RS-232 communication port
6. USB communication port
7. Emergency power off function connector (EPO)
8. Maintenance bypass switch
9. Cooling fan
10. Input circuit breaker
11. Output terminals
12. Ground terminal
13. Input terminals

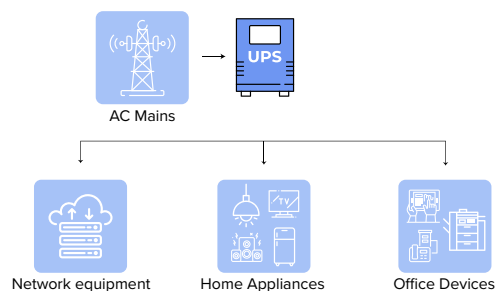


Application Fields

Specially designed for the protection of sensitive equipment in general.

- Network equipment
- Home appliances
- Office devices

Opciones de conectividad



WiFi / GPRS Card

WiFi Smart Card

Wi-Fi Smart Card can enable wireless communication between On-Line UPS and monitoring platform. Users have complete and remote monitoring and controlling experience for UPS when combining Wi-Fi Smart Card with ViewPower APP, available for both iOS and Android based device

GPRS/3G Card

Can collect the data from various device, and transmit data in GPRS or 3G system to data center. It's suitable for places where there is no access to Internet. The HTTP service of data center can manage and monitor several devices, and can record all data/events within data center.



SNMP Web Pro



SNMP Web

SNMP Web Pro Card, SNMP Web Box

Embedded with Web Server and installed with SNMP Web Manager, it provides real-time remote monitoring and controlling multiple UPSs from anywhere with internet access. Integrated with ViewPower Pro software, it can monitor and control a big-scale UPS monitoring system.



Modbus Card

Modbus Card

The Modbus card provides UPS the functionality of communication with PCs through MODBUS RTU protocol. When each UPS installed with one modbus card, up to 31 UPSs can be monitored from one computer.



9 pin port



DB9 Port

Relay Card

The AS400 communication card provides contact closures for remote monitoring UPS. To meet different application requirement, the AS400 card is capable of selection the status of the dry-contact signal (active close or active open) by setting jumper.



EMD



EMD

Environmental Monitoring Device (EMD)

Is used to remotely monitor temperature and humidity via SNMP manager. It also provides two dry contacts to receive signals from devices such as security and alarm system.

Technical specifications

MODEL		ATP-One 6K(L) RT		ATP-One 10K(L) RT	
PHASE		1 phase in / 1 phase out			
CAPACITY*		6000 VA / 6000 W		10000 VA / 10000 W	
INPUT					
Nominal Voltage		208/220/230/240 VAC			
Voltage Range		110~300VAC ± 3 % at 50% load 176~300VAC ± 3 % at 100% load			
Frequency Range		46~54 Hz ◎ 50Hz / 56~64 Hz ◎ 60Hz			
Power Factor		≥ 0.99 @ full load			
THDi		< 4% @100% Load, < 6% @50% Load			
OUTPUT					
Output Voltage		208*/220/230/240 VAC		208*/220/230/240 VAC	
AC Voltage Regulation		± 1%			
Frequency Range (Synchronized Range)		46~54 Hz ◎ 50Hz / 56~64 Hz ◎ 60Hz			
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio		3:1 (max.)			
Harmonic Distortion		≤ 1% THD (Linear Load), ≤ 4% THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Batt. Mode)		Pure Sinewave			
Overload	AC Mode	100%~110%: 10min, 110%~130%: 1min, >130%: 1sec			
	Battery Mode	100%~110%: 30sec, 110%~130%: 10sec, >130%: 1sec			
EFFICIENCY					
AC Mode		94%		94%	
ECO Mode		98.5%		98.5%	
Battery Mode		92%		92%	
BATTERY					
Standard Model	Battery Type	12 V / 7 AH		12 V / 9 AH	
	Numbers	16	20	16	20
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1.0 A			
	Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%
Long-run Model	Battery Type	Depending on applications			
	Numbers	16 - 20**			
	Charging Current (max.)	4.0 A			
	Charging Voltage	(13.65VDC x battery number) ± 1%			
INDICATORS					
LCD Panel		UPS status, Load level, Battery level, Input / Output voltage, Discharge timer, and Fault conditions			
ALARM					
Battery Mode		Sounding every 4 seconds			
Low Battery		Sounding every second			
Overload		Sounding twice every second			
Fault		Continuously sounding			
PHYSICAL					
Standard Model	Dimension, D x W x H (mm)	UPS Unit: 610x438x88 [2U] Battery Pack :715x438x88 [2U]	UPS Unit: 610x438x88 [2U] Battery Pack: 600x438x133 [3U]	UPS Unit: 610x438x88 [2U] Battery Pack: 715x438x88 [2U]	UPS Unit: 610x438x88 [2U] Battery Pack: 600x438x133 [3U]
	Net Weight (kgs)	UPS Unit: 17 Battery Pack: 48	UPS Unit: 17 Battery Pack: 57	UPS Unit: 20 Battery Pack: 53	UPS Unit: 20 Battery Pack: 63
Long-run Model	Dimension, D x W x H (mm)	610 x 438 x 88 [2U]		610 x 438 x 88 [2U]	
	Net Weight (kgs)	17		20	
ENVIRONMENT					
Operating Humidity		20-90 % RH @ 0- 40°C (non-condensing)			
Noise Level		Less than 55dB @ 1 Meter		Less than 58dB @ 1 Meter	
MANAGEMENT					
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.

** When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power factor will be derated to 0.9

*** If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

