

Online single-phase UPS ATP One RT ISO



Power: 6~10KVA, PF1
Input voltage: 208~240Vac
Output voltage: 208Vac, 240Vac or 2x120Vac



ATP One RT ISO series provides powerful and overall protection to your sensitive devices. With isolation transformer offers full isolation and complete common mode noise rejection.

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.



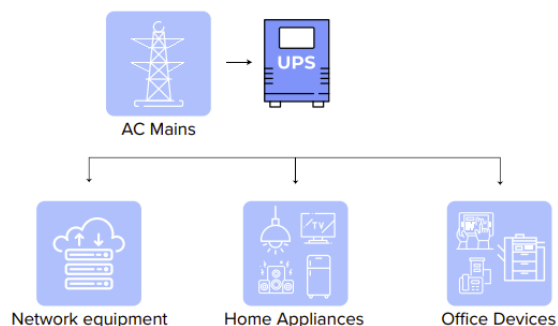
ATP One ISO Features

- True double-conversion.
- DSP technology guarantees high performance
- Output Power Factor 1
- Wide input voltage range (110-300 VAC)
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- ECO mode for energy saving
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers
- Optional N+X parallel redundancy

Application fields

Specially designed for the protection of sensitive equipment in general

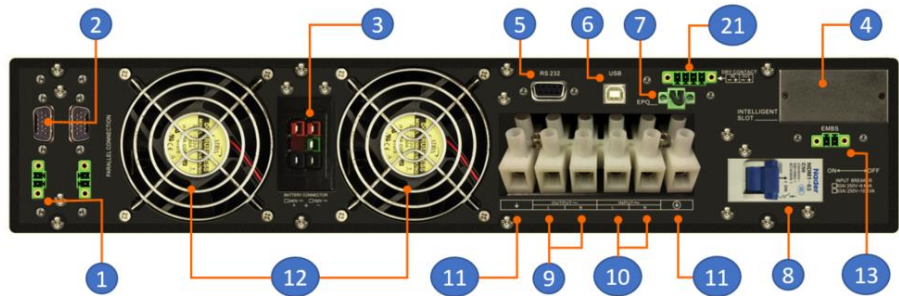
- Network equipment
- Home appliances
- Office devices



UPS-System back panel

- 1) Share current port (available for parallel model)
- 2) Parallel port (available for parallel model)
- 3) External battery connector
- 4) Intelligent slot
- 5) RS-232 communication port
- 6) USB communication port
- 7) Emergency power off connector
- 8) Input circuit breaker
- 9) Output terminals
- 10) Input terminals
- 11) Ground
- 12) Cooling Fan
- 13) External maintenance bypass port
- 14) Battery pack output circuit breaker
- 15) External battery connectors
- 17) ISO pack output
- 18) ISO pack input
- 20) ISO pack output grounding
- 21) Dry contact
- 22) Temperature signal port

UPS ATP One RT ISO



Output isolation transformer



Battery Pack options

2U Battery Pack, 16PCS 12V/9Ah



3U Battery Pack, 20PCS 12V/9Ah



Connectivity options

 WiFi Smart GPRS/3G	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 with in 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-6000RT-ISO (L)		ATP One-10000RT-ISO (L)	
PHASE		1 phase in / 1 phase out			
CAPACITY*		6000 VA / 6000 W		10000 VA / 10000 W	
INPUT					
Input Voltage		208/220/230/240 VAC			
Voltage Range		110~300VAC @ (0~60%) Load	140~300VAC @ (60~80%) Load	176~300VAC @(80~100%) 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					
UPS Output Voltage and System		208/220/230/240VAC and 2x120V			
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		≤ 1.5 % THD (Linear Load), ≤ 7 % 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					
Line Mode		89%			
Battery Mode		86%			
BATTERY					
Standard Model	Battery Type	12 V / 9 AH		12 V / 9 AH	
	Quantities	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%	
	Run time at 100% load	5min		3min	
	Run time at 80% load	7min		4min	
	Run time at 50% load	15min		9min	
Long-run Model	Battery Type	Depending on applications			
	Quantities	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					
Sound alarm		UPS status, Warning, Bypass mode, Battery mode and Fault conditions			
PHYSICAL (English units)					
Standard Model	Dimension, D x W x H (in)	UPS Unit: 23.62 x 17.24 x 3.46 [2U] Battery Pack: 27.36 x 17.24 x 3.46 [2U]; ISO Pack: 23.62 x 17.24 x 3.46 [2U]		UPS Unit: 23.62 x 17.24 x 3.46 [2U] Battery Pack: 27.36 x 17.24 x 5.23 [3U]; ISO Pack: 23.62 x 17.24 x 5.23 [3U]	
	Total dimension: UPS system D x W x H (in)	27.36 x 17.24 x 10.38[6U]		27.36 x 17.24 x 13.89 [8U]	
	Net Weight (lb)	UPS Unit: 33; Battery Pack: 105.62; ISO Pack: 134.48		UPS Unit: 39.68; Battery Pack: 105.62; ISO Pack: 198.42	
Long-run Model	Dimension, D x W x H (in)	UPS unit: 23.62 x 17.24 x 3.46 [2U]; ISO Pack: 23.62 x 17.24 x 3.46 [2U]		UPS unit: 23.62 x 17.24 x 3.46 [2U]; ISO Pack: 23.62 x 17.24 x 5.23 [3U]	
	Total dimension of UPS system D x W x H (in)	23.62 x 17.24 x 6.92 [4U]		23.62 x 17.24 x 8.69 [5U]	
	Net Weight (lb)	UPS Unit: 33; ISO Pack: 134.48		UPS Unit: 39.68; ISO Pack: 198.42	
ENVIRONMENT					
Operation Humidity		20-90 % RH @ 32- 104°F(non-condensing)			
Noise Level		Less than 55dB @ 3.28 feet		Less than 58dB @ 3.28 feet	
MANAGEMENT					
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, 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 UPSs are operated in parallel.

** For Standard UPS, output power factor is one. For long-run model, output power factor is depending on battery numbers. Output power factor is 0.8 when using 16 pieces of batteries, 0.9 for using 18 or 19 pieces of batteries or 1 for using 20pieces of batteries.

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

****Product specifications are subject to change without further notice.

