Online single-phase UPS

ATP One Tower ISO

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

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

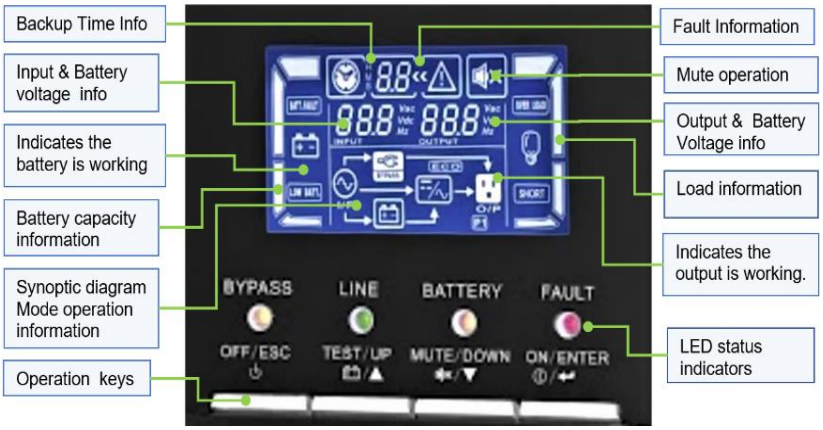
Operation panel

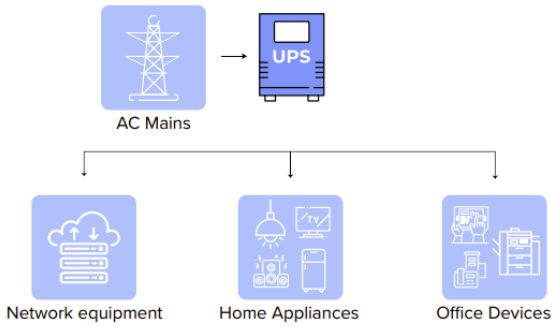
Displays information on the status of the UPS, input and output electrical parameters, charge percentage and backup time of the UPS system.

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

Allows the selection of operating modes and configuration of equipment operating parameters.





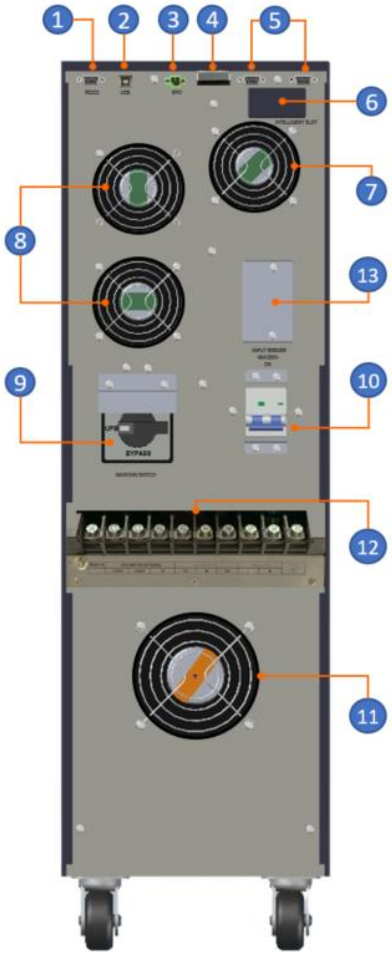
Application fields

Specially designed for the protection of sensitive equipment in general

- Network equipment
- Home appliances
- Office devices

UPS-System back panel

1. RS-232 communication port
2. USB communication port
3. Emergency power off function connector (EPO connector)
4. Share current port (only available for parallel model)
5. Parallel port (only available for parallel model)
6. Intelligent slot
7. Charger fan
8. Power stage fan
9. Maintenance bypass switch
10. Input circuit breaker
11. Isolation transformer fan
12. Input/output terminal (Refer to Diagram 2 for the details)
13. External battery connector (only available for Long-run model)
14. Non-isolated Neutral terminal
15. ISO TAP selections
16. Output terminal
17. Utility input terminal
18. Input grounding terminal
19. Output grounding terminal



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

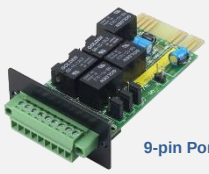
SNMP Web Pro Card, SNMP Web Box

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 6K	ATP One 6KL	ATP One 10K	ATP One 10KL
CAPACITY*		6000 VA / 6000 W		10000 VA / 10000 W	
INPUT					
Input voltage		208/220/230/240 VAC (L-N)			
Voltage Range	Low Line Loss	110 VAC (L-N) ± 3 % at 0-60% Load 176 VAC (L-N) ± 3 % at 60%-100% Load			
	Low Line Comeback	Low Line Loss Voltage + 10V			
	High Line Loss	300 VAC (L-N) ± 3 %			
	High Line Comeback	High Line Loss Voltage - 10V			
Frequency Range		46Hz ~ 54 Hz @ 50Hz system 56Hz ~ 64 Hz @ 60Hz system			
Phase		Single phase with ground			
Power Factor		≧ 0.99 at 100% Load			
OUTPUT					
Output voltage		104/110/115/120VAC or 208/220/230/240 VAC			
AC Voltage Regulation		± 2%			
Frequency Range (Synchronized Range)		46Hz ~ 54 Hz @ 50Hz system 56Hz ~ 64 Hz @ 60Hz system			
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz			
Overload	AC mode	100%~110%: 10min; 110%~130%: 1min; >130%: 1sec			
	Battery mode	100%~110%: 30sec; 110%~130%: 10sec; >130%: 1sec			
Current Crest Ratio		2.6:1 max			
Harmonic Distortion		≦ 2 % @ 100% Linear Load; ≦ 6 % @ 100% Non-linear Load			
Transfer Time	Line ↔ Battery	0 ms			
	Inverter ↔ Bypass	0 ms			
	Inverter ↔ ECO	<10 ms (Typical)			
EFFICIENCY					
AC mode		> 89%			
Battery Mode		> 87%			
BATTERY					
Type		12 V / 9 Ah	Depending on applications	12 V / 9 Ah	Depending on applications
Quantities		20	16~20	20	16~20
Recharge Time		7 hours recover to 90% capacity	According to external battery pack	9 hours recover to 90% capacity	According to external battery pack
Charging Current		1 A ± 10% (max.)	4 A ± 10% (max.)	1 A ± 10% (max.)	4 A ± 10% (max.)
Charging Voltage		(Battery number*13.65 V) ± 1%			
RUN TIME					
At 100% load		7min	According to external battery pack	3min	According to external battery pack
At 80% load		9min		4min	
At 50% load		20min		9min	
PHYSICAL					
IP Protection		IP20 (Static)			
Dimension, D x W x H (inch)		23.31 x 9.84 x 32.52			
Net Weight (lb)		257.94	154.32	313.06	194.01
ENVIRONMENT					
Operation Temperature		32 ~ 104°F (the battery life will down when > 77°F)			
Operation Humidity		<95 % and non-condensing			
Operating altitude without derating		< 3280.84 feet			
Acoustic Noise Level		Less than 55dB @ 3.28084 feet		Less than 58dB @ 3.28084 feet	
MANAGEMENT					
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

* Derate capacity to 50% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or when UPS is operated in parallel.
**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.
Product specifications are subject to change without further notice