

Online single-phase UPS

ATP One Tower

Power: 6~10KVA

Input voltage: 208-240 Vac

Output voltage: 208-240 Vac



ATP-One Tower 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.

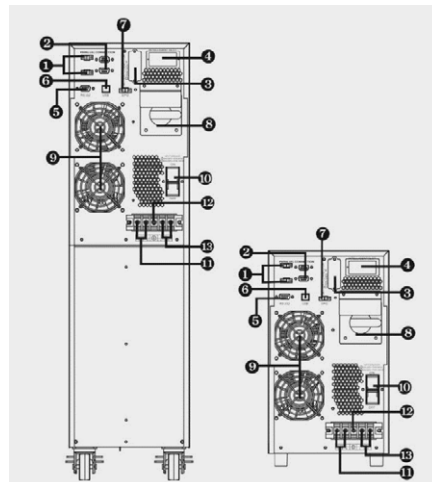


ATP One Features

- 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

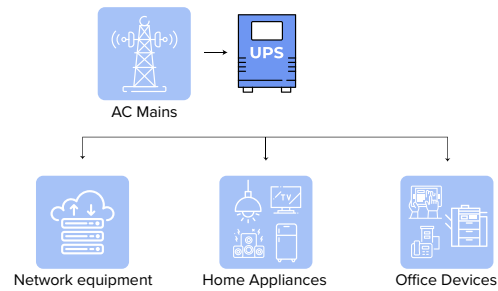
1. Share current port (only for parallel model)
2. Parallel port (only available for parallel model)
3. External battery connector
4. Intelligent slot
5. RS-232 communication port
6. USB communication port
7. Emergency power off function connector (EPO)
8. Maintenance bypass switch
9. Cooling fan
10.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



Connectivity options

 <p>WiFi / GPRS Card GPRS/3G Card</p>	<p>WiFi Smart Card</p> <p>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</p> <p>GPRS/3G Card</p> <p>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.</p>
 <p>SNMP Web Pro SNMP Web</p>	<p>SNMP Web Pro Card, SNMP Web Box</p> <p>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.</p>
 <p>Modbus Card</p>	<p>Modbus Card</p> <p>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.</p>
 <p>9 pin port DB9 Port</p>	<p>Relay Card</p> <p>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.</p>
	<p>Environmental Monitoring Device (EMD)</p> <p>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.</p>

Technical specifications

MODEL	ATP One 6K(L)		ATP One 10K(L)	
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 \pm 3 % at 50% load; 176~300VAC \pm 3 % at 100% load			
Frequency Range	46~54 Hz or 56~64 Hz			
Phase	Single phase with ground			
Power Factor	\geq 0.99 @ full load			
THDi	< 4% @100% Load; < 6% @50% Load			
OUTPUT				
Output Voltage	208/220/230/240 VAC			
AC Voltage Regulation (Batt. Mode)	\pm 1%			
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz			
Frequency Range (Batt. Mode)	50 Hz \pm 0.1 Hz or 60 Hz \pm 0.1 Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	\leq 1 % THD (Linear Load) ; \leq 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%			
Battery Mode	91%			
BATTERY				
Standard Model	Battery Type	12 V / 7 Ah	12 V / 9 Ah	
	Numbers	16		
	Typical Recharge Time	9 hours recover to 90% capacity		
	Charging Current (max.)	1.0 A		
	Charging Voltage	218.4 VDC \pm 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) \pm 1%		
INDICATORS				
LCD Display	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 2 seconds			
Overload	Sounding twice every second			
Fault	Continuously sounding			
PHYSICAL				
Standard Model	Dimension, Dx Wx H (mm)	369 x 190 x 688	442 x 190 x 688	
	Net Weight (kgs)	54	66	
Long-run Model	Dimension, Dx Wx H (mm)	369 x 190 x 318	442 x 190 x 318	
	Net Weight (kgs)	13	16	
ENVIRONMENT				
Operating Humidity	20-95 % RH @ 0- 40°C (Non-condensing)			
Noise Level	Less than 55dB @1Meter		Less than 58dB @1Meter	
MANAGEMENT				
Smart RS-232/USB	Supports Windows® Family, 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.

