

Monolithic three-phase UPS

ATP II 33 Tower

Power: 10~40KVA, PF1
Input voltage: 208~220 VAC
Output voltage: 208~220 VAC

ATP-II 33 10K-40K UL series are certified with UL and provides output power factor 1.0. Equipped with 5" touch colored LCD, this series are easy and comprehensive to set up functions and modify all settings parameters through the touch screen.



ATP II 33 UL Models



ATP II 10K(L)



ATP II 15K(L)
ATP II 20K(L)



ATP II 30K(L)
ATP II 40K(L)

Outstanding features

- **DSP technology for high reliability**

A Digital Signal Processor (DSP) technology digitizes the data and mathematically manipulates them to provide an improved solution with higher performance.

- **Output power factor 1**

For critical applications, this 3-phase online UPS with output power factor ensures higher efficiency and advanced performance.

- **Active power factor correction in all phases**

Power factor correction is active in all phases and it can improve the efficiency of input.

- **Dual Inputs**

ATP II 33 series is also available for optional dual inputs to support various inputs to have flexibility for system configuration.

- **50Hz/60Hz frequency converter mode**

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipment's.

- **ECO mode operation for energy saving**

ECO mode improves the efficiency up to 98% to cut energy usage & cost. In this mode, loads are supplied by the mains directly. While mains failure, the UPS will constantly supply the power to the connected device without any interruption.

- **Emergency power off function (EPO)**

In case of any emergency and fire, the EPO control mechanism can instantly shut down the system.

- **Adjustable charging current**

Users can adjust charging current via LCD setting based on applications.

- **Very powerful charger**

ATP II 33 series is built-in super charger. 10K: 10A maximum
 15~20K: 20A maximum
 30K~40K: 24A maximum

It's also supports very long runtime applications when connecting to big capacity of external battery Touch cabinet.

- **Parallel operation with common battery**

Maximum three UPSs can be operated in parallel, increasing the capacity and performance. Besides, this parallel UPS system can share common battery packs which might greatly reduce the expense and reach the same performance.

- **High overload capability**

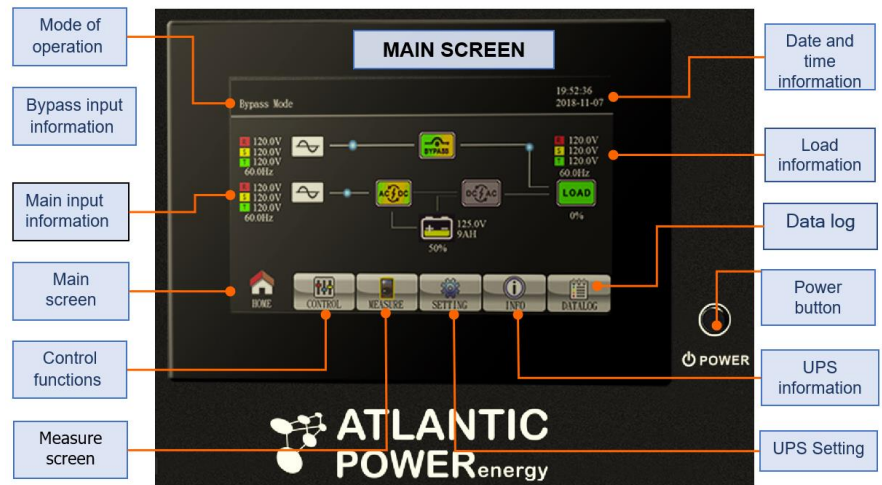
Supporting 110% overload capacity for 60 min and up to 1 min overload condition at 150% load.

- **Adjustable battery design**

The number of connected batteries can be adjusted flexibly based on different power demands. This feature can allow UPS to keep running even when some battery packs are damaged.

ATP II 33 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.

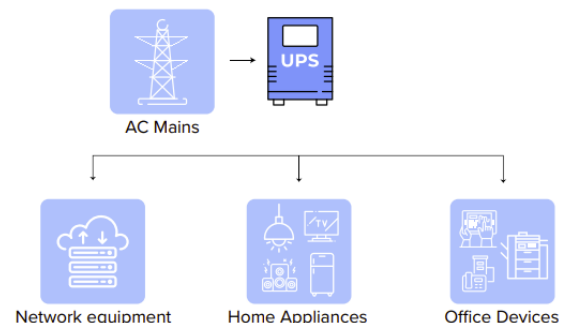


Measurement of electrical parameters



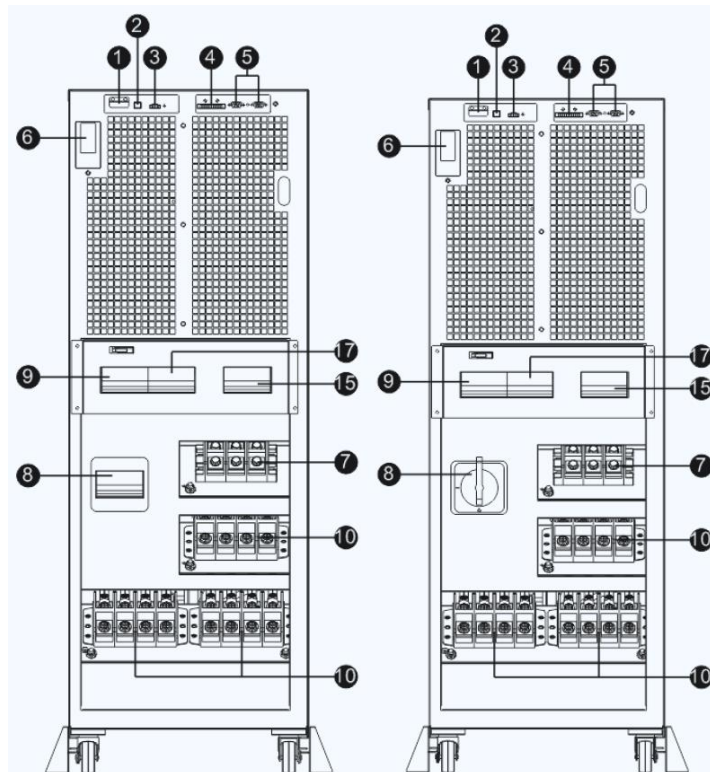
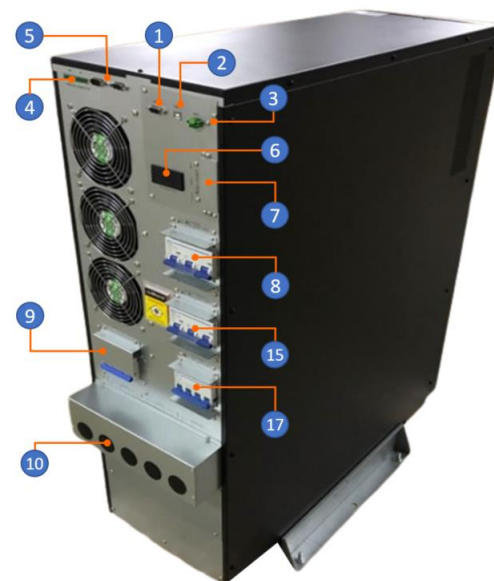
Application fields

Specially designed for the protection of sensitive equipment in general, servers and workstations.



UPS Back panel

1. RS-232 communication port (only for firmware updates)
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. External battery connector (Only available for long-run model)
8. Line input circuit breaker/switch
9. Maintenance bypass switch
10. Input/output terminal
11. Line input terminal
12. Output terminal
13. Input grounding terminal
14. Output grounding terminal
15. Bypass input circuit breaker/switch
16. Bypass input terminal
17. Output circuit breaker



ATP II 30KL UL

ATP II 30KL UL

Input and output electrical wiring gauge

Model	10K(L)	15K(L)	20K(L)	30KL	40KL
Wiring (AWG)	6	4	2	2/0	3/0
Torque force (lb-in)	17.71	26.56		AC: 60.0	
				DC: 132.8	
AC Input Protection Device	63A	80A	100A	150A	200A

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 II 10K(L)	ATP II 15K(L)	ATP II 20K(L)	ATP II 30KL UL	ATP II 40KL UL
PHASE		3-phase in / 3-phase out				
CAPACITY		10KVA /10KW	15KVA /15KW	20KVA /20KW	30KVA /30KW	40KV /40KW
INPUT						
Nominal Voltage		3 x 208/220 VAC (Ph-Ph), 3 x 120/127 VAC (Ph-N)				
Voltage Range		138~270 VAC (3-phase) @ 50% load; 173~253 VAC (3-phase) @ 100% load 80~156 VAC (Ph-N) @ 50% load; 100~146 VAC (Ph-N) @ 100% load				
Frequency Range		46~54 Hz or 56~64Hz				
Power Factor		≧ 0.99 @ 100% Load				
OUTPUT						
Output Voltage		3 x 208/220 VAC (Ph-Ph), 3 x 120/127 VAC (Ph-N)				
AC Voltage Regulation (Batt. Mode)		± 1%				
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz				
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio		3:1 (max.)				
Harmonic Distortion		≦ 2 % THD (Linear Load); ≦ 4 % THD (Non-linear Load PF≥0.8)				
Transfer Time	AC Mode to Batt. Mode	Zero				
	Inverter to Bypass	Zero				
Waveform (Batt. Mode)		Pure Sine wave				
Overload	AC Mode	100-110% for 1 hr. 110-130% for 1 min, >130% for 1 second				
	Battery Mode	100-110% for 30 seconds, 110-130% for 10 seconds, >130% for 1 second				
EFFICIENCY						
AC Mode		93%				
ECO Mode		97%				
Battery Mode		92.5%				
BATTERY						
Standard Model	Battery Type	12 V/9 Ah	12 V/9 Ah	12 V/9 Ah	12 V/9 Ah	12 V/9 Ah
	Quantities	(10+10) pcs x 1 string Optional for max. 2 strings	(10+10) pcs x 2 strings Optional for max. 3 strings	(10+10) pcs x 3 strings	(10+10) pcs x 4 strings	(10+10) pcs x 4 strings
	Typical Recharge Time	9 hours recover to 90% capacity				
	Charging Current (max.)	1A~12A (Adjustable)Max. 12A	4A/8A/12A (Adjustable) Optional parallel up to Max. 20A		8A/16A/24A (Adjustable)	
	Charging Voltage	+/-136.5 VDC ± 10%				
	Run time at 100% load	4min (1 string)	4min (2 strings)	4min	4min	3min
	Run time at 80% load	3min (1 string)	5min (2 strings)	7min	5min	4min
	Run time at 50% load	7min (1 string)	12min (2 strings)	14min	12min	7min
Long-run Model	Battery Type	Depending on the capacity of external batteries				
	Quantities	16~20 pcs (Adjustable)				
	Charging Current (max.)	1A~12A (Adjustable) Max. 12A	4A/8A/12A (Adjustable) Optional parallel up to Max. 20A		8A/16A/24A (Adjustable)	
	Charging Voltage	+/-13.65V*N (N = 8~10)				

Technical specifications

MODEL		ATP II 10K(L)	ATP II 15K(L)	ATP II 20K(L)	ATP II 30KL UL	ATP II 40KL UL
INDICATORS						
LCD Display		UPS status, Load level, Battery level, Input / Output voltage, Discharge timer, and Fault conditions				
PHYSICAL						
Standard Model	Dimension, DxWxH (In)	26.26 x 9.84 x 32.52	34.05 x 11.81 x 40.16		N/A	
	Net Weight (lb)	209.44	399.04	509.27		
Long-run Model	Dimension, DxWxH (In)	26.26 x 9.84 x 32.52	34.05 x 11.81 x 40.16		31.10 x 16.53 x 47.24	
External C20 Battery Cabinet	Dimension, DxWxH (In)	N/A			37.40 x 18.50 x 46.85	
	Net Weight (lb) with 4 strings (4 x 20 x 12V-9AH batteries)	N/A			710	
ENVIRONMENT						
Operation Temperature		0-40°C / 32-104°F				
Operation Humidity		< 95% and non-condensing				
Noise Level		Less than 60dB @ 3.28 feet	Less than 70dB @ 3.28 feet			Less than 75dB@ 3.28 feet
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 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC
Product specifications are subject to change without further notice.

