

# Online Three phase UPS

## ATP RT33

Power: 10~25KVA  
Input voltage: 208/220Vac  
Output voltage: 208/220Vac



The intelligent rack-mounted UPS ATP RT33 series products adopt online double conversion design, based on DSP full digital control, to provide a stable and uninterrupted power supply for important loads, which can eliminate surges, instantaneous high voltage, instantaneous low voltage, and "Power pollution" such as wire noise and frequency offset, provide customers with high-efficiency and high-power-density power supply guarantees.

### Applications

ATP RT33 UPS can be used in applications such as; networks and servers, datacenters, power supply for workstations, office equipment and control systems at production processes.

### Features

- Rack Tower design, compatible with 19" standard rack cabinet.
- Stronger load capacity, output power factor is 0.9.
- With parallel function, up to 3+1 parallel redundant power supply.
- The full load efficiency of the whole system reaches more than 95%, and the half load efficiency reaches 95.5%.
- The height is 3U for 10-15kVA, while the 20-25kVA is 4U, and supports tower installation to meet different requirements of users.
- The operation panel adopts a 5-inch LCD screen display, which is convenient for users to observe the working status and parameters of UPS more intuitively.
- Standard with RS232 port (while 20-25kVA standard with USB), RS485 port, cold start, dry contact. optional with LBS, parallel card, USB, SNMP card.
- The maximum battery charging power is 20% of the output power.
- Fully digital and intelligent battery management function to extend battery life.
- With fan failure self-check and automatic identification functions.
- With intelligent fans design, the fans speed can be automatically adjusted according to the load status, reducing power consumption and noise.
- Provide EPO interface, realize remote shutdown function, and make operation more convenient.
- Using DSP full digital control technology, the system is highly stable, with self-protection and fault diagnosis capabilities.

### Technical Specifications

Model		ATP33-10CL	ATP33-15CL	ATP33-20CL	ATP33-25CL	
System Capacity		10KVA/9kW	15KVA/14kW	20KVA/18kW	25KVA/22.5kW	
Input	Dual Input	Standard				
	Phase	3 Phase + Neutral + Ground, 208V/220V (line-line)				
	Input Voltage Range	166-261Vac (line-line), full load 166-125Vac (line-line), load derated linearly				
	Rate Frequency	50/60Hz				
	Input Frequency Range	40Hz ~ 70Hz				
	Input PF	> 0.99				
	Input THDi	<4% (100% Linear load)		<3% (100% Linear load)		
Bypass	Rate Voltage	3 Phase + Neutral + Ground, 208V/220V (line-line)				
	Rate Frequency	50/60Hz				
	Input Voltage Range	Settable, -40%~+25%				
	Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz				
	Bypass Overload	125% long term operation; 130% for 10 mins; 150% for 1 min, 400% for 1s				
Output	Rate Voltage	3 Phase + Neutral + Ground, 208V/220V (line-line)				
	Voltage Regulation	1% for balance load; 1.5% for unbalance load				
	Rate Frequency	50/60Hz				
	Frequency Precision	0.1%				
	Output PF	0.9				
	Output THDu	<1% , Linear load; <5.5%, Non-linear load		<1.5% , Linear load; <6%, Non-linear load		
	Crest Factor	3:1				
	Inverter Overload	110% for 1 hour; 125% for 10 mins ; 150% for 1 min; >150% for 200 ms				
Battery	Voltage	± 120Vdc				
	Battery Number	20pcs				
	Voltage Precision	±1%				
	Charge Power	up to 20% * Output active power				
	Battery Cold Start	Standard				
System	Efficiency	AC Mode	95%		95,5%	
		ECO Mode	98%			
		Battery Mode	94,5%		95%	
	Display	LCD + LED + keyboard				
	IP Class	IP 20				
	Interface	RS232, RS485, Programmable Dry Contact				
	Option	LBS for ATP33-20CL and ATP33-25CL, SNMP Card, Parallel kit, USB				
	Temperature	Operation: 0 ~ 40 Storage: - 40~ 70				
	Relative Humidity	0 ~95% Non-condensing				
	Altitude	<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise				
	Noise (1 meter)	65dB @ 100% load, 62dB @ 45% load				
Physical	Weight (kg)	25		41		
	Dimension W*D*H (mm)	485*750*130		485*750*174		

\* Different specifications required are available

\* All specifications mentioned above are subject to change without prior notice

