

# UPS Modular 3P ATP RM-HV (20-200kVA)



The ATP RM series is a modular Online UPS for sensitive equipment. The power rating of the single cabinet covers from 20kVA to 200kVA. With the latest three-level DSP control technology and full IGBT DSP, the ATP RM series offers the best combination of reliability, hot-swapping and flexibility.

## Features

- » Modular design: Up to 20 hot-swappable N + X redundant power modules in parallel line.
- » Independent charger for each module and intelligently control the whole charging process, prolong battery life.
- » Cold start battery can be started from battery without mains power.
- » Easy access to connection with possibility of upper and lower cable entry connection, more convenient for customer site installation.
- » Modular design with transformer, modular UPS up to 60 kVA with built-in isolation transformer, meeting different requirements for customers.
- » High power density 200kVA with footprints of approximately 0.5m<sup>2</sup>, saving valuable data center space.
- » IGBT design integrated into one module, fewer points of failure with higher performance and reliability.
- » Friendly interface, touch screen with lots of information.
- » Independent air channel, the cooling air works in an isolated channel, keeping the PCB dust-free.



## Specifications

Model		ATP RM 200/20	ATP PM 120/20	ATP RM 060/20
System Capacity		200 kVA	120 kVA	60 kVA
Power Module Capacity		20 kVA / 18 kW		
Input				
Dual Input		Optional		
Phase		3 Phase + Neutral + Ground, 380V / 400V / 415V (line-line)		
Input Voltage Range		304 ~ 478Vac (line-line), full load; 228V ~ 304Vac (line-line), the load decreases linearly according to the minimum phase voltage		
Rate Frequency		50/60Hz		
Input Frequency Range		40Hz ~ 70Hz		
Input PF		> 0.99		
Input THDi		<3% (100% linear load)		
Bypass				
Rate Voltage		380/400 / 415VAC (line-line)		
Rated Frequency		50/60Hz		
Input Voltage Range		Settable, - 40% ~ + 25%		
Bypass Frequency Range		Settable, ± 1Hz, ± 3Hz, ± 5Hz		
Bypass Overload		125% long-term operation; 130% for 1 hour; 150% for 6 min; > 1000% for 100 ms		
Output				
Rate Voltage		380/400 / 415VAC (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		
Crest Factor		3:1		
Inverter Overload		110% for 1 hour; 125% for 10 minutes; 150% for 1 min; 150% for 200 ms		
Battery				
Voltage		±240VDC		
Battery Number		40 PCS (configurable: even number from 32 to 44)		
Voltage Precision		±1%		
Charge Power		Up to 20% * Active power output		
Battery Cold Start		Standard		
System				
Efficiency		95.0% 99.0% 95.0%		
Display		5.7 "LCD touch screen + LED + keyboard		
IP Class		IP 20		
Interface		RS232, RS485, Programmable Dry Contact		
Option		SNMP Card, Parallel kit, SPD, LBS, Dust Filter		
Temperature		Operation: 0 ~ 40 ° C Storage: -40 ~ 70 ° C		
Relative Humidity		0 ~ 95% Non-condensing		
Altitude		< 1000m Within 1000m to 2000m, 1% derating for every 100m of rise		
Noise (1 meter)		55dB @ 50% load		
Applicable Standards		Safety: IEC / EN 62040-1 EMC: IEC / EN 62040-2 Performance: IEC / EN 62040-3		
Physical				
Weight (kg)	Cabinet	180	150	105
	Cabinet	22		
	Power Module	600*900*2000	600*900*1600	600*900*1100
	Battery Pack	440*590*134		

\* Different specifications required are available

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

