

Axil 33 RTV 3-Phase UPS

10kVA & 20kVA



10 kVA UPS (2U)



20 kVA UPS (2U)

UPS Features

Engineered for reliable, high-performance power protection, the 10kVA and 20kVA true double conversion online UPS models combine advanced DSP technology with a unity output power factor of 1.0 for efficient and stable operation.

They offer flexible input / output configurations and feature active power factor correction, dual AC inputs, ECO mode, 50/60 Hz frequency conversion, generator compatibility, and configurable battery options for extended runtime.

For increased capacity and redundancy, up to four UPS units can operate in parallel with a shared battery bank, providing reliable power protection for mission-critical applications.

Ideal for Data Centres and Server Rooms, Network, IT and Telecommunications Infrastructure, Medical & Healthcare Equipment, Security & Financial Systems as well as Emergency & Critical Systems.

- ✓ True double conversion
- ✓ Rack / Tower design
- ✓ DSP technology guarantees high performance
- ✓ Output power factor 1
- ✓ Active power factor correction in all phases
- ✓ 50 / 60 Hz frequency converter mode
- ✓ ECO mode operation for energy saving
- ✓ Emergency power off function (EPO)
- ✓ Generator compatible
- ✓ Dual AC inputs
- ✓ Adjustable number of batteries
- ✓ Flexible phase configuration - 3P in / 3P out, 3P in / 1P out or 1P in / 1P out
- ✓ Parallel operation up to 4 units with common battery

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Technical Specification

MODEL		10kVA	20kVA
PHASE		3P in / 3P out, 3P in / single phase out, 1P in / single phase out (selectable)	
CAPACITY		10 kVA / 10 kW	20 kVA / 20 kW
PARALLEL CAPACITY		4	
INPUT			
Nominal Voltage		3 x 380 / 400 / 415 VAC (3Ph+N) or 220 / 230 / 240 VAC (1Ph+N)	
Voltage Range		190 - 520 VAC (3-phase) @ 50% load, 305 - 478 VAC (3-phase) @ 100% load	
Frequency		46 ~ 54 Hz or 56 ~ 64 Hz	
Power Factor		≥ 0.99 @ 100% load	
OUTPUT			
Output Voltage		3 x 380 / 400 / 415 VAC (3Ph+N) or 220 / 230 / 240 VAC (1Ph+N)	
AC Voltage Regulation (Battery Mode)		± 1%	
Frequency Range (Synchronized Range)		46 ~ 54 Hz or 56 ~ 64 Hz	
Frequency Range (Battery Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Radio		3:1 (max.)	
Harmonic Distortion		≤ 2% THD (Linear Load); ≤ 5% THD (Non-linear Load)	
Transfer Time	AC Mode to Battery Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Battery Mode)		Pure Sinewave	
Overload	AC Mode	100 - 110% for 60min, 110 - 125% for 10min, 125%~150% for 1min; >150% immediatelly	
	Battery Mode	100 - 110% for 60min, 110 - 125% for 10min, 125%~150% for 1min; >150% immediatelly	
EFFICIENCY			
AC Mode		95.5%	96%
ECO Mode		98.5%	
Battery Mode		94.5%	95.5%
BATTERY			
Battery Type		Depending on application	
Battery Numbers		± 8 ~ ± 10 (Adjustable)	± 16 ~ ± 20 (Adjustable)
Charging Current (max.)		1A ~ 18A (Adjustable)	
Charging Voltage		± 13.65V x N (N=8~10)	± 13.65V x N (N=16~20)
PHYSICAL			
Dimension (W x D x H)(mm)		620 x 438 x 88 (2U)	
Weight (kg)		16	22.2
ENVIRONMENT			
Operating Temperature		0 - 40°C	
Operating Humidity		< 95% and non-condensing	
Noise Level		Less than 62dB @ 1 Meter	Less than 65dB @ 1 Meter
MANAGEMENT			
Smart RS-232/USB		Supports Windows® family, Linux and Mac	
Optional SNMP		Power management from SNMP manager and web browser	

Product specifications are subject to change without further notice.



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