

Axil RT UPS 1kVA & 3kVA

Online High Frequency UPS



The Axil RT 1 & 3 kVA series is an online UPS that provides consistent sine-wave power to your critical equipment.

It features a compact design with multiple communication ports and a removable bypass and DB combination ensuring zero percent down time.

UPS Features

- ✓ True double-conversion
- ✓ Rack-mounted or floor-standing tower
- ✓ Patented Mimic LCD which can be rotated to suit the orientation of the deployment
- ✓ Digital control guarantees high reliability
- ✓ Output receptacle control for non-critical load shedding capacity
- ✓ ECO mode operation for energy saving
- ✓ Emergency power off function (EPO)
- ✓ Generator compatible
- ✓ Communications: RS-232, USB, SNMP card (optional), Relay card (optional)
- ✓ Bypass can be used when UPS is off
- ✓ Cold Start

Typical Applications

- IT & Network Infrastructure
- Business & Retail
- Security Systems
- Telecommunications
- Medical & Laboratory
- Industrial Automation
- Home Office

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Technical Specification

Specifications are subject to change without prior notice.

MODEL	1kVA	3kVA
INPUT		
Capacity (VA / Watts)	1000VA / 900 W	3000VA / 2700 W
Nominal Voltage	208 / 220 / 230 / 240Vac (L+N+PE)	
Operating Voltage Range	110 - 300Vac @ (0~60%) Load; 160 - 300Vac @ (80~100%) Load	
Operating Frequency Range	50Hz: 45-55Hz, 60Hz: 55-65Hz Auto Sensing	
Power Factor	>0.85 @ 25% Load; >0.97 @ 75% Load; >0.99 @ Nominal voltage & 100% Load	
OUTPUT		
Output Voltage	208 / 220 / 230 / 240Vac : Vac (Default)	
Power Factor	0.9	
Voltage Regulation	± 1%	
Frequency - Synchronized Range	45 - 55Hz ± 0.02Hz @ 50Hz, 55 - 65Hz ± 0.02Hz @ 60Hz	
Frequency - Battery Mode / Non-Synchronized Range	(50 / 60 ± 0.02) Hz	
Crest Factor	3:1	
Harmonic Distortion (THDv)	≤3% with linear load ≤5% with non-linear load	
Waveform	Pure Sinewave	
Transfer time	Utility to Battery : 0ms; Utility to Bypass : 4ms (Typical)	
EFFICIENCY		
AC Mode	88%	89%
Battery Mode	84%	86%
ECO Mode	94%	
BATTERY		
Battery Type	12V	
Numbers	2 x N	6 x N
Maximum Charging Current (A)	6.0 / 12.0	
Charging Voltage (Vdc)	27.4 ± 1%	± 1% 82.2
Protect	Over-voltage (14.7V) / Low-voltage (10V)	
OTHER		
Management - Smart RS-323 / USB	External Modbus card supported by RS232, Software supports Windows, Linus	
Intelligent Slot	SNMP (Standard or Mini) independent to RS-232 (Optional)	
LED & LCD Displays	Load / Battery / Input / Output / Operating Mode	
Operating Temperature	0 ~ 40°C	
Humidity Range	0 ~ 95% (Non-condensing)	
Altitude	< 1500m	
Noise Level	<50dB @ 1 Meter	
Standards, EMC	IEC/EN 62040-1, IEC/EN 62040-2	
ALARMS		
Battery Mode	Sounding every 4 second	
Battery Low	Sounding every second	
Overload	Sounding every 0.5 second	
Fault	Continuously Sounding	
PHYSICAL		
Dimension (W x D x H)(mm)	440 x 430 x 86.5	440 x 572 x 86.5
Weight (kg)	7.7	10.8

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