

Axil 33 RTK Series Online UPS

20kVA & 40kVA



UPS Tower
Battery Pack (3U)



UPS Rack

Typical Applications

- Telecom
- Local Area Networks
- E-Business
- Servers & Cash Registers
- Security

UPS Features

- ✓ Adjustable Input and Output Configuration
- ✓ High AC/AC Efficiency up to 96%
- ✓ kVA = kW (PF = 1.0), no derating below 40°C
- ✓ Tower and Rack Compatible Design
- ✓ Supports 4 Battery Units in Parallel
- ✓ Galvanic Isolation with Transformer (optional)

Reliable

- Super wide input voltage range 60% ~+ 25% for higher grid adaptability & longer battery life.
- Full DSP control technology ensures top performance.
- Intelligent fan speed control reduces noise and prolongs fan life.
- Anti-corrosion resistant coating in all PCB boards ECO mode and EPO function.

Green

- AC/AC efficiency up to 96%, less TCO and more energy saving.
- Output power factor up to 1.0, more powerful to connect more key loads.
- 3 level IGBT technology for higher efficiency and minimized interference to grid.

Flexible

- 3U height tower and rack compatible design.
- Adjustable 3:3 \ 3:1 \ 1:1 configuration (10~20kVA) and 3:3 configuration (30~40kVA).
- Common battery bank.
- LCD Rotate setting by (10-20kVA), gravity auto-rotate by (30-40kVA).
- Adjustable battery quality and charge current.

Optional

- External distribution box
- Dry contact kits and SNMP
- Isolation transformer
- 19 inch rail kits
- Lithium battery compatible

Technical Specification

MODEL	10kVA	15kVA	20kVA	30kVA	40kVA
INPUT					
Voltage (Vac) ¹	138 - 485 (L-L)				
Frequency (Hz)	40 - 70				
Power Factor	≥ 0.99				
THDi	<3% (linear load)				
Phase	1:1 / 3:1 / 3:3			3:3	
OUTPUT					
Capacity	10	15	20	30	40
AC/AC Efficiency (Max.)	96%				
Power Factor	0.9 (1.0 at 40°C)				
Voltage (Vac) ²	380 / 400 / 415 ±1% (L-L)				
Frequency (Hz)	50 / 60 ±0.1 (battery mode)				
THDv	THD <1% (linear load) THD <4% (non-linear load)			THD <1% (linear load) THD <3% (non-linear load)	
Transfer Time	0				
Overload	115% ~ 130% load: 15 min 130% ~ 150% load: 1 min >150% load: 200 ms				
ECO Mode	Yes				
BATTERY					
Voltage (Vdc)	±192 (±144 ~ ±240 adjustable) / 32 pcs default (28 - 40 pcs adjustable)				
Charging Current (A)	4 (1 - 10 settable)			15 (1 - 20 settable)	
OTHER					
Communication Interface	RS485 + EPC (RS232 + dry contact, SNMP are optional in slot)				
Display	Stroke segment LCD			Dot matrix LCD	
Alarm	Low battery, abnormal AC input, UPS failure, etc.				
Protection	Low battery, overload, short-circuit and over temperature, etc.				
Noise (dB)	<55				
Working Temperature (°C)	-5~40			-5~50 ³	
Relative Humidity	0 ~ 95%, no condensation				
Dimension (W x D x H)(mm)	UPS	438 x 500 x 130 (3U)		438 x 680 x 130 (3U)	
	Battery Pack	438 x 500 x 130 (3U)		438 x 680 x 130 (3U)	
Weight (kg)	20			34	
Standards	EN IEC 62040-1, EN IEC 62040-2, EN IEC 62040-3, EN IEC 62040-4				

Product specifications are subject to change without further notice.

1. 80 - 280 (L-N) for single phase input

2. 220 / 230 / 240 (L-N) for single phase output;

3. Condition comply



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