

Axil FT3300

3 Phase Modular UPS

**50 to
600kVA**

Chassis size
100kW
120kW
180kW
200kW



The Axil FT3300 is a modular and expandable UPS to accommodate growing power demands.

With a power range of 50kW up to 600kW, the modular range is ideal for large facilities like call centres, server rooms and data centres with heavy power requirements.

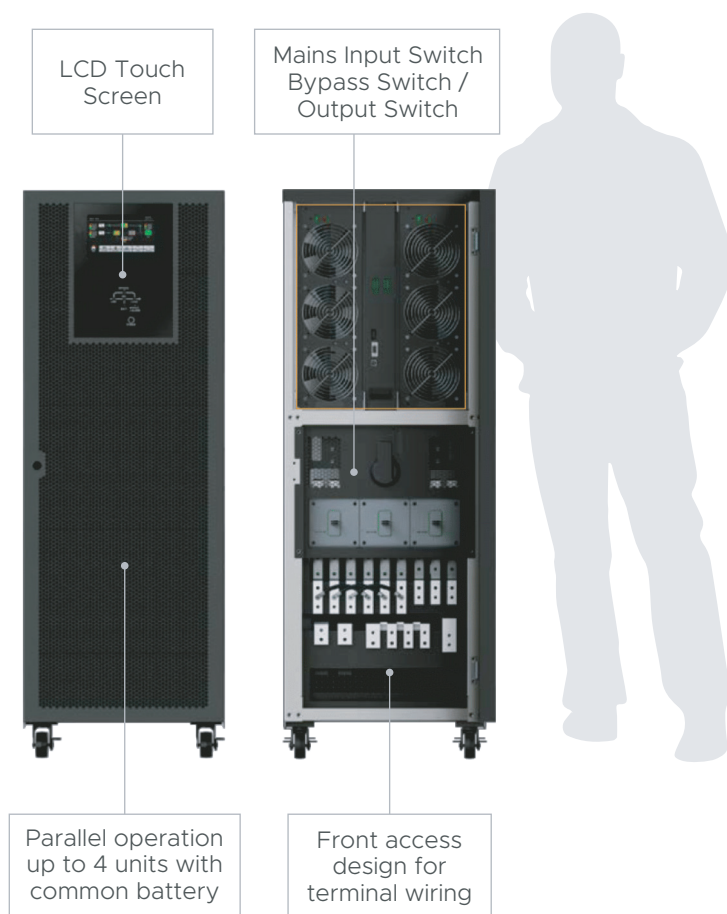
**3 PHASE
UPS**

**DUAL
INPUTS**

**PARALLEL
OPERATION**

**TOUCH
SCREEN**

- ✓ Pluggable power module design with front access to decrease MTTR
- ✓ Parallel operation with common battery
- ✓ Power walk-in function
- ✓ Dual-mains inputs
- ✓ Built-in 4 switches including mains input, bypass input, output and maintenance bypass switch
- ✓ Flexible battery configuration and adjustable charging current
- ✓ Output power factor 1
- ✓ Active power factor correction in all phases
- ✓ Built-in 7" touch LCD screen
- ✓ Emergency power off function (EPO)
- ✓ Generator compatible
- ✓ 50Hz / 60 Hz frequency converter mode
- ✓ Transformerless
- ✓ Transformer module available



Axiil FT3300 | 3 Phase Modular UPS

MODEL	100K	120K	180K	200K
PHASE	3-phase in / 3-phase out			
CABINET CAPACITY	100kVA / 100kW	120kVA / 120kW	180kVA / 180kW	200kVA / 200kW
BATTERY TYPE	External Battery			
PARALLEL CAPACITY	4			
INPUT				
Nominal Voltage	3 x 380 / 400 / 415 VAC (3Ph+N)			
Voltage Range	110 - 300 VAC @ 50% load, 176 - 276 VAC @ 100% load			
Nominal Frequency	50 / 60 Hz (Auto sensing)			
Frequency Range	40Hz ~ 70Hz			
Power Factor	≥ 0.99 @ 100% load			
Harmonic Distortion (THDi)	< 4% at full linear load			
OUTPUT				
Nominal Voltage	3 x 380 / 400 / 415 VAC (3Ph+N)			
Voltage Regulation (Steady State)	≤ +- 1% Typical (balanced load), ≤ +- 2% Typical (unbalanced load)			
Nominal Frequency	50 / 60 Hz			
Frequency Range (Synchronized Range)	46Hz ~ 54Hz or 56Hz ~ 64Hz			
Overload Capability	≤ 110% for 1 hour, 111 ~ 125% for 10 mins, 126 ~ 150% for 1 min and >150% for 200ms			
Harmonic Distortion	< 2% THD (Linear Load); < 4% THD (Non-linear Load)			
EFFICIENCY				
AC Mode	95.5%			
ECO Mode	98.5%			
Battery Mode	94.5%			
BYPASS				
Nominal Voltage	3 x 380 / 400 / 415 VAC (3Ph+N)			
Voltage Range	-30% ~ +20%			
Frequency Range	46Hz ~ 54Hz or 56Hz ~ 64Hz			
Overload Capability	≤ 110% for 1 hour, 111 ~ 125% for 10 mins, 126 ~ 150% for 1 min and >150% for 200ms			
BATTERY / CHARGER				
Nominal Voltage	+/- 192V ~ +/- 240V (Selectable)			
Maximum Voltage	+/- 240V (12V x 40 Pcs)			
Minimum Voltage	+/- 192V (12V x 32 Pcs)			
Floating Charge Voltage	2.28V / Cell (2.25 ~ 2.33 Selectable)			
Boost Charging Voltage	2.35V / Cell			
Temperature Compensation	Yes			
Max. Charging Current (Per Power Module)	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)
PHYSICAL				
IP Class	IP20			
Dimension, D x W x H (mm)	1000 x 430 x 1200	1000 x 430 x 1200	1000 x 600 x 1200	1000 x 600 x 1200
Net Weight (Kgs)	200	200	265	265
ENVIRONMENT				
Operating Temperature	0 - 40°C			
Operating Humidity	< 95% and non-condensing			
Altitude**	< 1000m for Nominal Power			
MANAGEMENT				
Smart RS-232 / USB	Supports Windows [®] Family, Linux and Mac			
Optional SNMP	Power management from SNMP manager and web browser			
STANDARDS				
Safety	IEC / EN 62040-1			
EMC	IEC / EN 62040-2 Category C3			

**If the UPS is installed or used in a place where the altitude is above 1000m, the output power must be derated one percent per 100m.
Product specifications are subject to change without further notice.