Monolithic three-phase UPS

ATP F3 Tower

Power: 60~300KVA, PF1

Input voltage: x(380~415) Vac

Output voltage: 3x(380~415) Vac

ATLANTIC POWERenergy

ATP F3 is a Cost-Effective 3-Phase Standalone UPS with Easy-Replaceable & Load-Sharing Module Design. The UPS is equipped with pluggable power modules with front access terminal wiring making maintenance and replacement quick and easy and decreasing MTTR.

Features

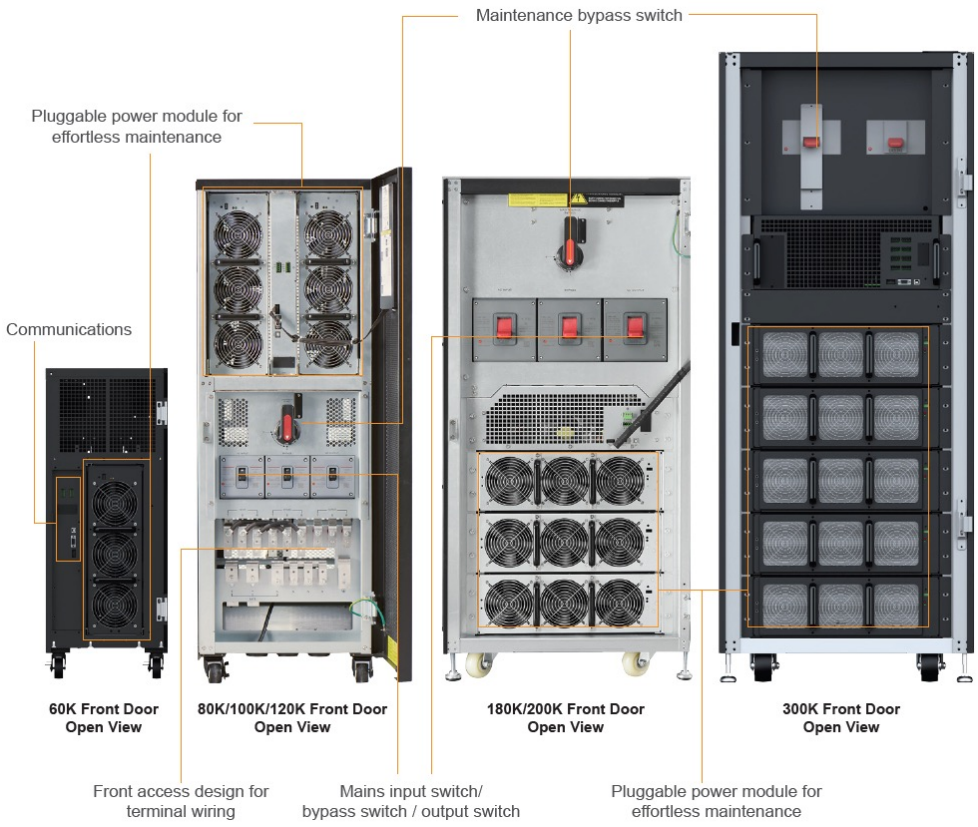
ATP F3 60KL

ATP F3 80KL
ATP F3 100KL
ATP F3 120KL

ATP F3 180KL
ATP F3 200KL

- Pluggable power module design with front access to decrease MTTR, parallel redundancy capability for power guarantee.
- Parallel operation up to 4 units 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 for comprehensive information.
- Emergency power off function (EPO).
- Generator compatible.
- 50Hz/60Hz frequency converter mode.

Certification CE

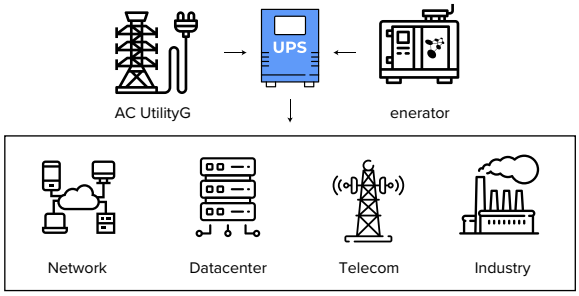


7” Color touch operation screen

- Visual information on the status of the equipment.
- Measurement of electrical operating parameters.
- UPS System Operation and Configuration.

Application fields

Its versatility and reliability make it an ideal UPS for medium and large datacenters, industrial processes, sensitive equipment in telecommunications networks and as a power supply to office equipment in medium and large companies.



Connectivity options

WiFi / GPRS Card

WiFi Smart Card

Wi-Fi Smart Card can enable wireless communication between On-Line UPS and monitoring platform. Users have complete and remote monitoring and controlling experience for UPS when combining Wi-Fi Smart Card with ViewPower APP, available for both iOS and Android based device.

GPRS/3G Card

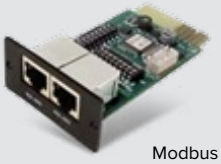
Can collect the data from various device, and transmit data in GPRS or 3G system to data center. It's suitable for places where there is no access to Internet. The HTTP service of data center can manage and monitor several devices, and can record all data/events with in data center.

SNMP Web Pro

SNMP Web

SNMP Web Pro Card, SNMP Web Box

Embedded with Web Server and installed with SNMP Web Manager, it provides real-time remote monitoring and controlling multiple UPSs from anywhere with internet access. Integrated with ViewPower Pro software, it can monitor and control a big-scale UPS monitoring system.



Modbus Card

Modbus Card

The Modbus card provides UPS the functionality of communication with PCs through MODBUS RTU protocol. When each UPS installed with one modbus card, up to 31 UPSs can be monitored from one computer.

9 pin port

DB9 Port

Relay Card

The AS400 communication card provides contact closures for remote monitoring UPS. To meet different application requirement, the AS400 card is capable of selection the status of the dry-contact signal (active close or active open) by setting jumper.

Environmental Monitoring Device (EMD)

Is used to remotely monitor temperature and humidity via SNMP manager. It also provides two dry contacts to receive signals from devices such as security and alarm system.

Technical specifications

MODEL	ATP F3 60KL	ATP F3 80KL	ATP F3 100KL	ATP F3 120KL	ATP F3 180KL	ATP F3 200KL	ATP F3 240KL	ATP F3 300KL
Phase	3-phase in / 3-phase out							
Cabinet capacity	60KVA/60KW	80KVA/80KW	100KVA/100KW	120KVA/120KW	180KVA/180KW	200KVA/200KW	240KVA/240KW	300KVA/300KW
Battery type	External Battery							
Parallel capability	4						2	
INPUT								
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)							
Voltage Range	110-300 VAC @ 50% load; 184-276 VAC @100% load							
Nominal Frequency	50/60Hz (Auto sensing)							
Frequency Range	40Hz ~70Hz							
Power Factor	≥ 0.99 @ 100% load							
Harmonic Distortion (THDi)	< 5% at full linear load	< 4% at full linear load						
OUTPUT								
Nominal Voltage	3 x 380/400/415 VCA (3Ph+N)							
Voltage Regulation (Steady state)	≤ ± 1% Typical (balanced load) ≤ ± 2% Typical (unbalanced load)							
Nominal Frequency	50/60Hz							
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%	95.5%						
ECO Mode	98%	98.5%						
Battery Mode	94%	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							
Maximum Charging Current	18A (Adjustable)	24A (Adjustable)	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)	72A (Adjustable)	90A (Adjustable)
PHYSICAL								
IP Class	IP20							
Dimension, D x W x H (mm)	1000x320x800	1000x430x1200	1000x430x1200	1000x430x1200	1000x600x1200	1000x600x1200	1100x600x1475	1100x600x1475
Net Weight (Kgs)	94	169	169	169	249	249	360	396
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							