

ATLAS 5000PF Series

Atlas 5000PF Series UPS 10-800 kVA 3 Phase Input - 3 Phase Output 0,9 PF Online UPS



MODEL	5100PF	5120PF	5160PF	5200PF	5250PF	5300PF	5400PF	5500PF	5600PF	5800PF
Apparent Power (kVA)	100	120	160	200	250	300	400	500	600	800
Active Power (kW)	90	108	144	180	225	270	360	450	540	720

INPUT	
Voltage	380/400/415 (Optional 440) Vac (3P+N+PE)
Voltage Tolerance	±5...%20 (Adjustable with %1 Step)
Frequency	50 Hz (On Request 60 Hz)
Frequency Range	%5
THDi	<5%
Power Factor	0,99

OUTPUT	
Voltage	380/400/415 (Optional 440) Vac (3P+N+PE)
Voltage Regulation	< ±1%
Frequency	50 Hz (On Request 60 Hz)
Frequency Range	Synchronized to Network ±2% in line mode; ±0,05 Hz in Free Running
Crest Ratio	3:1
Efficiency (100% Load)	Up to %93
Power Factor	0,9
THDv	<3% Linear Load, <5% Non-Linear Load
Owerload	%100<Load<125 for 10 min., %125<Load<%150 for 1 min., Load>150: Bypass
Short Circuit Protection	Electronic Protection

BYPASS	
Voltage Range	380/400/415 Vac (3 P+N+PE) (Optional 440 Vac)
Frequency Range	50 Hz ±10%

BATTERY	
Type	Maintenance Free Lead Acid Battery
Quantity	60
Charge Voltage	810 Vdc
End of Discharge Voltage	630 Vdc
Battery Protection	Deep Discharge Protection
Battery Test	Automatic / Manual

DISPLAY PANEL	
LCD	Graphic LCD Panel, Mimic Panels and Control Panel
LED	Line, Battery, Inverter, Load, Fault Indications

COMMUNICATION	
Interface	Modbus RTU RS232, Dry Contacts (Battery Low, Input Failure, System Bypass)

ENVIRONMENTAL	
Operating Temperature	0~40°C
Storage Temperature	-25~+70°C
Relative Humidity	%0-95 (Non Condensing)
Altitude	<1000 m
Cooling	Air Cooling
Protection Level	IP20
Acoustic Noise	<65dBA <70 dBA <74 dBA <75 dBA

PHYSICAL	
Dimensions (WxDxH)cm	550x800x1335 680x1010x1750 780x1260x1900 1600x870x1800 2190x801x2030 3220x870x1800
Weight (kg)	290 315 490 540 870 1300 1370 1480 1700 1750

OPTIONS	
Functions	Parallel Operation, EPO Emergency Stop
Communication	SNMP, Modem

STANDARDS	
Harmonized Standards	EN 62040-1 (LVD), EN 62040-2 (EMC), EN 62040-3

FEATURES

- IGBT Rectifier and Inverter
- Input Current Harmonic < %5
- Regenerative Operating
- Re-adjustable Battery Charge Current
- Built-in Self-Test
- Silent Performance
- Up to 6 Parallel Operation
- DSP Controlled
- Up to 0.99 Input Power Factor Correction
- Static Bypass at UPS Overload or UPS Failure
- Advanced LCD Panel
- Up to 500 Event History
- High Performance for Medical Instruments
- Parallel Operating without Communication
- CE Certificate
- Patented Technology

ONLINE UPS

ATLAS 5000PF Series are, 3 Phase in/3 Phase out 10-800 kVA True Online, Transformer-less, Double Conversion UPS Systems with IGBT rectifier providing 0,9 Output Power factor and very low input current THD. They produce microprocessor controlled pure sine wave output to critical loads. Industrial manufacturing machines, hospital and monitoring equipment, heavy, medical, communication and laboratory equipment, etc. are the main fields of use with a proved reliable high technology.