

**ATLAS 4000 Series**

**Atlas 4000 Series Technical Specifications**  
10-300 kVA 3 Phase Input - 3 Phase Output (HF) Online UPS with Transformer



MODEL	4010	4015	4020	4030	4040	4060	4080
Apparent Power (kVA)	10	15	20	30	40	60	80
Active Power (kW)	8	12	16	24	32	48	64

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

OUTPUT	
Voltage	380/400/415 (Optional 440) Vac (3 P+N+PE)
Voltage Regulation	< ±1%
Frequency	50 Hz (Optional 60 Hz)
Frequency Range	Synchronized to Network ±%2 in Line Mode: ± 0,05 Hz in Free Running
Power Factor	0,8
Overload	%100<Load<%125 for 10 min., %125<Load<%150 for 1 min., Load>150 :Bypass
Efficiency (100% Load)	Up to %91
Crest Ratio	3:1
THDv	<3% Linear Load, <5% Non-Linear Load

BYPASS	
Voltage Range	380/400/415 Vac (3 P+N+PE) (Optional 440 Vac)
Frequency Range	50 (Optional 60) Hz ±%10

BATTERY	
Battery Type	Maintenance Free Lead Acid Battery 12 Vdc (On request other types)
Quantity	60
Charge Voltage	810 Vdc
Min. Discharge Voltage	630 Vdc
Battery Protection	Deep Discharge Protection

GENERAL	
Display	Graphic LCD Monitor, Control Panel, Mimic Diagram
LED	Line, Battery, Inverter, Load, Fault Indications
Operating Type	Static, Online,DSP Control
Topology	High Frequency PWM, IGBT Technology, Output Isolation Transformer

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	%20-%90 (Non-Condensing)
Altitude	<1000 m
Protection Level	IP20
Acoustic Noise (from 1m.)	<55 dBA <60 dBA

PHYSICAL	
Dimensions (WxDxH)mm	350x800x1650 500x810x1900
Weight (kg)	195 205 215 225 260 290 410

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

STANDARDS	
Harmonized Standards	EN 62040-1(LVD), EN62040-2(EMC), EN62040-3

**FEATURES**

- Output Isolation Transformer
- IGBT Rectifier and Inverter
- Input Current Harmonic < %5
- 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
- Optional SNMP

**ONLINE UPS**

ATLAS 4000 Series are, 3 Phase in/3 Phase out 10-300 kVA True Online, with isolation transformer, Double Conversion UPS Systems with IGBT rectifier providing high input power factor and 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.