

ONLINE UPS

RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



VOLTIX 5000 SERIES 100-800 kVA UPS



Pure Sine
Wave Output



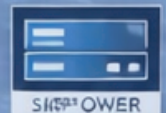
Intelligent
Microprocessor
Control



Fast Charging
System



Overload & Short
Circuit Protection



Smart LCD
Display

ONLINE UPS

VOLTIX 5000 Series are, 3 Phase in / 3 Phase out 10-800 kVA True Online, Transformer-less, 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.

VOLTIX 5000 Series UPS 100-800 kVA 3 Phase Input - 3 Phase Output (HF) Online UPS

MODEL	5100	5120	5160	5200	5250	5300	5400	5500	5600	5800
Apparent Power (kVA)	100	120	160	200	250	300	400	500	600	800
Active Power (kW)	80	96	128	160	200	240	320	400	480	640

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)	> %93
Power Factor	0,8
THDv	<3% Linear Load, <5% Non Linear Load
Owerload	%100<Load<%125 for min., %125<Load<150for 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 / Manuel

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)
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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

Dimesions (WxDxH)cm	55x80x134	68x101x175	78x126x190	160x87x180	219x81x203	322x87x180				
Weight without Batteries(kg)	240	250	380	400	820	850	950	990	1400	2100

OPTIONS

Connections	Without Neutral for Input and / or Output
Functions	Up to 6 Units Parallel Operation, EPO Emergency Stop, Split Bypass, Battery Temperature Compensation, Transportable LCD Panel
Communication	SNMP, Modem

STANDARDS

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

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