

ONLINE UPS

RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



VOLTIX 4000 SERIES 10-80 kVA UPS



Pure Sine
Wave Output



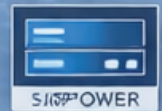
Intelligent
Microprocessor
Control



Fast Charging
System



Overload & Short
Circuit Protection



Smart LCD
Display

ONLINE UPS

VOLTIX 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.

VOLTIX 4000 Series Technical Specifications 10-80 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) V ac (3 P+N+PE)						
Voltage Tolerance	± %5...%20 (Adjustable with %1 step)						
Frequency	50 Hz (Optional 60 Hz)						
Frequency Range	±5%						
THDi	<%5						
Power F actor	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 F actor	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							
Hamonized Standards	EN 62040-1(LVD), EN62040-2(EMC), EN62040-3						

FEATURES

- Output Isolation Transformer
- IGBT Rectifier and Inverter
- Input Current Harmonic < %5
- Up to 0.99 Input Power Factor Correction
- Static Bypass at UPS Overload or UPS Failure
- Advanced LCD Panel
- DSP Controlled
- Up to 500 Event History
- Optional SNMP

ESIS Power Energy reserves the right to modify these details at any time without prior notification.