

ONLINE UPS

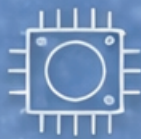
RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



VOLTIX 4000 100 - 300 kVA UPS



Pure Sine
Wave Output



Intelligent
MicroPrecision
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

100-300 kVA 3 Phase Input - 3 Phase Output (HF) Online with Transformer

MODEL	4100	4120	4160	4200	4250	4300
Apparent Power (kVA)	100	120	160	200	250	300
Active Power (kW)	80	96	128	160	200	240
INPUT						
Voltage	380/400/415 (Optional 440) Vac (3P+N+PE)					
Voltage Range	±%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 (3P+N+PE)					
Voltage Regulation	<±1%					
Frequency	50 Hz (Optional 60 Hz)					
Frequency Range	Synchronized to Network ± %2 in Line Mode; ±0.05Hz in Free Running					
Power Factor	0,8 (Full Load)					
Overload	%100<Load<%125 for 10 min., %125<Load<%150 for 1 min., Load>150 :Bypass					
Efficiency (100% Load)	Up to %92					
Crest Factor	3:1					
THDv	Linear Load for <3%, Non-Linear Load for <5%					
BYPASS						
Voltage	380/400/415 Vac (3P+N+PE) (Optional 440 Vac)					
Frequency	50 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, 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.)	<65 dBA	<70 dBA	<75 dBA	<75 dBA	<75 dBA	<75 dBA
PHYSICAL						
Dimensions (WxDxH) mm	550x810x2040		1610x870x1900			
Weight (kg)	600	680	900	1030	1640	1720
OPTIONS						
Functions	Parallel Operation, Emergency Stop (EPO)					
Communication	SNMP, Modem					
STANDARDS						
Harmonized Standards	EN 62040-1 (LVD), EN 62040-2 (EMC), EN 62040-3					

FEATURES

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

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