ESISPOWER ENERGY

ONLINE UPS

RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



VOLTUS 100 Series
5-20KVA

- Pure Sine Wave Output
- Intelligent Microperience Control
- Fast Charging System
- Overload & Short Circuit Protection
- Smart LCD Display

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VOLTUS 100 Series Online UPSs protect mono phase critical loads against utility failures and irregular voltage cases. They produce pure sine wave operability, communication port are available. IT applications, small offices, service providers, communication networks, control equipment's, automation systems etc. are the main fields of use with a proved reliable high technology.

VOLTUS100 Series Technical Specifications
5-20 kVA 1 Phase Input - 1 Phase Output (LF) Online UPS

MODEL	VOLTUS105	VOLTUS107	VOLTUS110	VOLTUS115	VOLTUS120
Apparent Power (kVA)	5	7	10	15	20
Active Power (kW)	4,5	6,3	9	13,5	18
INPUT					
Voltage	220/230 Vac (1P+N+PE)				
Voltage Tolerance	±%15				
Frequency	50 Hz (60Hz On Request)				
Frequency Range	5%				
Current	30A	40A	58A	87A	
OUTPUT					
Voltage	220 Vac (1P+N+PE)				
Voltage Regulation	±1%				
Frequency	50 Hz (60 Hz On Request)				
Frequency Tolerance	Synchronized to Network ±2% in Line Mode; ±0,2 Hz in Free Running				
Crest Ratio	3:1				
Efficiency (100% Load)	Up to %90		Up to %91		
THDv	<3% Linear Load, <5% Non-Linear Load				
Overload	%100<Load<%125 for 10 min., %125<Load<%150 for 1 min, Load> 150:Bypass				
Short Circuit Protection	Electronic Protection				
BATTERY					
Type	Maintenance Free Lead Acid Battery				
Quantity	16	18	20		
Charge Voltage	216VDC	243VDC	270VDC		
End of Discharge Voltage	160VDC	180VDC	200VDC		
Battery Protection	Batter y Fuse/Low Battery-High Battery				
Ambient Temperature	25°C				
Battery Cabinet	Intenal		External		
COMMUNICATION					
Inter face	RS-232 and Dr y Contacts				
Software	UPS Management SW (3Client + 1Server)				
ENVIRONMENTAL					
Operating Temperature	0 ~ 40 °C				
Storage Temperature	-25 ~ + 55°C				
Relative Humidity	%0-90 (Non-condensing)				
Altitude	<2000 m				
Protection Level	IP20				
Acoustic Noise	<45 dBA				
PHYSICAL					
Dimensions (WxDxH) mm.	265x600x595	265x660x645	265x740x720	300x800x775	
Weight (kg)	60	75	82	107	
OPTIONS					
Input Transformer	Galvanic Isolation for the Input				
MBS	Maintenance Bypass Switch for Complete Isolation				
Inter face	SNMP, MODBUS,R emote Mon. Panel, RS-485				
Parallel Operation	N+1 Unit (Up to 4 Units)				
STANDARDS					
Harmonized Standards	EN 62040-1 (LVD), EN 62040-2 (EMC), EN 62040-3				

FEATURES

- Output transformer for galvanic isolation
- Static by-pass through the utility at Overload or UPS breakdown
- Load, battery state and detailed infor including advanced LCD panel
- 64 registered events histor
- RS-232 and dry contact output

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