

# ONLINE UPS

RELIABLE POWER BACKUP  
FOR SMART INFRASTRUCTURE



## VOLTUS 100 Series 5-20KVA



Pure Sine  
Wave Output



Intelligent  
Microexperience  
Control



Fast Charging  
System



Overload & Short  
Circuit Protection



Smart LCD  
Display

ONLINE UPS

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)	3,25	4,55	7	10,5	14
<b>INPUT</b>					
Voltage	220/230 Vac (1P+N+PE)				
Voltage Tolerance	±%15				
Frequency	50 Hz (60Hz On Request)				
Frequency Range	5%				
Current	30A	40A	58A	87A	
<b>OUTPUT</b>					
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				
<b>BATTERY</b>					
Type	Maintenance Free Lead Acid Battery				
Quantity	16	18		20	
Charge Voltage	216VDC	243VDC		270VDC	
End of Discharge Voltage	160VDC	180VDC		200VDC	
Battery Protection	Battery Fuse/Low Battery-High Battery				
Ambient Temperature	25°C				
Battery Cabinet	Intenal		External		
<b>COMMUNICATION</b>					
Inter face	RS-232 and Dry Contacts				
Software	UPS Management SW (3Client + 1Server)				
<b>ENVIRONMENTAL</b>					
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				
<b>PHYSICAL</b>					
Dimensions (WxDxH) mm.	265x600x595	265x660x645	265x740x720	300x800x775	
Weight (kg)	60	75	82	107	
<b>OPTIONS</b>					
Input Transformer	Galvanic Isolation for the Input				
MBS	Maintenance Bypass Switch for Complete Isolation				
Inter face	SNMP, MODBUS, Remote Mon. Panel, RS-485				
Parallel Operation	N+1 Unit (Up to 4 Units)				
<b>STANDARDS</b>					
Hamornized 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

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