

BETA100 SERIES

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◆ 1/1 PHASE 5-15KVA TRANSFORMER-BASED ONLINE UPS

GENERAL SPECIFICATIONS

- ◆ Output isolation transformer
- ◆ Up to 91% efficiency
- ◆ Static by-pass
- ◆ LCD front panel
- ◆ 64 events memory
- ◆ RS232 and relay contacts
- ◆ Custom input and output voltage ranges
- ◆ SNMP compatible communication
- ◆ T-MON remote monitoring software
- ◆ Parallel operation
- ◆ Manufactured according to EC Directive; EN62040



TECHNICAL SPECIFICATIONS				
MODEL	BETA105	BETA107	BETA110	BETA115
Power (kVA)	5	7	10	15
INPUT				
Voltage	220/230 VACP + N + G ± 15%			
By-pass voltage	220/230 VACP + N ± 10%			
Frequency	50Hz / 60Hz ± 5%			
OUTPUT				
Power (kW)	3,25	4,55	7	10,5
Power factor	0.65		0.7	
Voltage	220/230 VACP+ N ± 1%			
Frequency	50Hz (60Hz on request)			
Frequency tolerance	Line synchronized: ± 2%, free running: ± 0,2%			
Efficiency (at 100% load)	up to 90%		up to 91%	
Crest factor	3:1			
Overload protection	100%-125% load: 10 min., 125%-150% load: 1 min., > 150% load: by pass			
Short circuit protection	Electronic short circuit protection			
Voltage THD	< 3%			
BATTERIES				
Type	Sealed Lead Acid -Maintenance Free			
Number of batteries	16	18	20	
Float charging voltage	216 VDC	243 VDC	270 VDC	
End of discharge voltage	160 VDC	180 VDC	200 VDC	
Battery cabinet	Internal		External	
Battery ambient temperature	25°C			
Battery protection	Automatic circuit breaker			
Battery test	Optional			
GENERAL				
Standards	EN 62040-1, EN 62040-2			
Serial communication	Dry contacts&RS232			
Software	T-MonUPS Management Software (3 clients, +1 server management std.)			
Temperature range	0°C -40°C			
Ventilation	Forced air cooling			
Relative humidity	< 90% (non-condensing)			
Protection degree	IP20			
Altitude	< 2000m			
Acoustic noise	< 45 dBA			
Weight without batteries (kg)	60	75	82	107
Dimensions(mm) HxWxD	595x265x600	645x265x670	720x265x740	775x300x800
OPTIONS				
Special input / output voltage	Please ask			
Input transformer	Galvanic isolation transformer at the input (in external cabinet)			
6kVA&7kVA	Previous, output PF:0.7 versions (4200W -4900W) available on request			
MBS	Maintenance Bypass Switch for complete isolation			
Adaptors	SNMP, MODBUS, Remote Mon. Panel, RS485			
Parallel operation	N+1 (up to 4 units)			