

GAMA3000 SERIES

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◆ 3/3 PHASE 100-300KVA TRANSFORMER-BASED ONLINE UPS

GENERAL SPECIFICATIONS

- ◆ Output isolation transformer
- ◆ Up to 92% efficiency
- ◆ 128 events alarm memory (4000 alarms)
- ◆ Custom input and output voltage ranges
- ◆ SNMP compatible communication
- ◆ T-MON remote monitoring software
- ◆ High performance at nonlinear loads
- ◆ Custom input voltage and frequency ranges
- ◆ Manufactured according to EC Directive; EN62040
- ◆ Parallel operation up to 4 devices
- ◆ RS232 and relay contacts
- ◆ Static by-pass
- ◆ LCD front panel



TECHNICAL SPECIFICATIONS						
MODEL	GAMA3100	GAMA3120	GAMA3160	GAMA3200	GAMA3250	GAMA3300
Power(kVA)	100	120	160	200	250	300
INPUT						
Voltage	380/400 VAC 3P + N + G ± 15%					
By-pass voltage	380/400 VAC 3P + N ± 1%					
Input frequency	50Hz (60Hz on request) ± 5%					
OUTPUT						
Power (kW)	80	96	128	160	200	240
Power factor	0,8					
Voltage	380/400 VAC 3P + N					
Voltage stability	Balanced load: ± 1% , Unbalanced load: ± 2% , Step load: ± 5%					
Voltage recovery time	After step load: max. 25ms					
Frequency	50Hz (60Hz on request)					
Frequency tolerance	Line synchronized: ± 2%, free running: ± 0,2%					
Efficiency (100 load)	90-92%					
Crest factor	3:1					
Overload protection	100%-125% load: 10 min., 125%-150% load: 1 min., >150% load: bypass					
Short circuit protect.	Electronic short circuit protection					
Voltage THD	Linear load: < 3% Nonlinear load: < 5%					
BATTERIES						
Type	Sealed Lead Acid -Maintenance Free					
Number of batteries	30			32		
Float charging voltage	405 VDC			432 VDC		
End of discharge voltage	300 VDC			320 VDC		
Battery ambient temp.	25°C					
Battery protection	Automatic circuit breaker					
Battery test	Automatic every 72 hours					
GENERAL						
Standards	EN 62040-1, EN62040-2					
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 above sea level					
Acoustic noise	65 dBA			70 dBA		
Weight without batteries	750	765	802	970	1328	1370
Dim. (mm) HxWxD	1650x1110x810		1730x1195x870		1880x1565x925	
OPTIONAL						
Special inoutput voltage	Please ask					
Input transformer	Galvanic isolation transformer at the input (in external cabinet)					
Input THDI	10% (with 12 pulse or 18 pulse rectifiers, according to UPS range) 5% (with 18 pulse rectifiers, + filter), up to 100kVA					
Input power factor	0.95 -0.98 (with 18 pulse rectifier)					
Adaptors	SNMP, MODBUS, Remote Mon. Panel, RS485					
Parallel operation	N+1 (up to 4 units)					
(*)	In 18Pulse& 12Pulse applications, the standard chassis dimensions may change					