

GAMA3000 SERIES

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◆ 3/3 PHASE 10-80KVA TRANSFORMER-BASED ONLINE UPS

GENERAL SPECIFICATIONS

- ◆ T-MON remote monitoring software
- ◆ Parallel operation up to 4 devices
- ◆ High performance at nonlinear loads
- ◆ Custom input voltage and frequency ranges
- ◆ Manufactured according to EC Directive; EN62040
- ◆ Custom input and output voltage ranges
- ◆ SNMP compatible communication



- ◆ 128 events alarms
- Memory (4000 alarms)
- ◆ Output isolation transformer
- ◆ Up to 92% efficiency
- ◆ Static by-pass
- ◆ LCD front panel
- ◆ RS232 and relay contacts

TECHNICAL SPECIFICATONS								
MODEL	GAMA3010	GAMA3015	GAMA3020	GAMA3030	GAMA3040	GAMA3060	GAMA3080	
Power(kVA)	10	15	20	30	40	60	80	
INPUT								
Voltage	220/380 VAC (230/400 VAC) 3P + N + G ± 15%							
By-pass voltage	220/380 VAC (230/400 VAC) 3P + N ± 10%							
Input frequency	50Hz / 60Hz ± 5%							
OUTPUT								
Power (kW)	8	12	16	24	32	48	64	
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)	85-91%			90-92%				
Crest factor	3:1							
Overload protection	100%-125% load: 10 min., 125%-150% load: 1 min., >150% load: bypass							
Short circuit protection	Electronic short circuit protection							
Voltage THD	Linear load: < 3% Nonlinear load: < 5%							
BATTERIES								
Type	Sealed Lead Acid -Maintenance Free							
Number of batteries	30							
Float charging voltage	405 VDC							
End of discharge voltage	300 VDC							
Battery ambience temp.	25°C							
Battery protection	Automatic circuit breaker							
Battery test	Automatic every 72 hours							
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 above sea level							
Acoustic noise	< 56 dBA				< 60 dBA			
Weight without batteries	220	260	284	305	404	496	580	
Dimensions(mm) HxWxD	1150x505x655				1390x575x820		1450x720x820	
OPTIONAL								
Special in/output voltage	Please ask							
Input transformer	Galvanic isolation transformer at the input (in external cabinet)							
Input THD	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							