



Trigger True Online double conversion **MasterGuard X** Series UPS is rated at 60kVA to 500kVA, equipped to provide clean and quality backup power supply to the equipment supported.

The design suits most installation in offices, banks, Data Centre, to continuously provide power protection to enterprise servers, networking equipment, telecommunication systems, security system, and many other critical applications.

MasterGuard X Series UPS applies advanced technology that increases performance and reliability: two high speed DSPs with completed digital control to ensure high quality of power supply, high input power factor and low input current distortion.



Computer/
Server



Network
Peripherals



Telecom



Security



Key Features

- High Efficiency up to 96%
- High input PF >0.99
- Input current THDi <3%
- Multi-protection
- Battery management with smart charging control, greatly extend battery life

MasterGuard X Series

60 - 500 KVA

UNINTERRUPTIBLE POWER SUPPLY





Friendly Interface with Three level technology

Touchscreen colour LCD graphical display more detail information. It is easier for customer to view and operate.

60, 90 and 120KVA - 7 inch LCD

100, 150, 200, 250, 300, 400 and 500KVA - 10.4 inch LCD



60KVA



300KVA



120KVA

- ➔ 30KVA Power Module
- ➔ Bypass and Monitor
- ➔ IP / OP / Maintenance Breaker / Bypass
- ➔ Terminal, Support Dual Input





MasterGuard X Series



MODEL	MasterGuard X Series				
Model (3/3P)	MAG3360X	MAG3390X	MAG33100X	MAG33120X	MAG33150X
CAPACITY					
Capacity (VA)	60 kVA	90 kVA	100 kVA	120 kVA	150 kVA
Capacity (W)	54 kW	81 kW	90 kW	108 kW	135 kW
INPUT					
Phase	(3/3P) 3P + N + G (380/400/415V)				
Voltage Range	304 to 478 VAC (line-line), 100% load or 228 to 304VAC load derated from 100% - 75% linearly				
Frequency Range	40 - 70 Hz				
OUTPUT					
Nominal Voltage	3 x 380/400/415 VAC (3/3P)				
Voltage Range	+2% to -2%				
Frequency	50/60 Hz				
Wave Form	Pure Sinewave				
Transfer Time	0 ms				
Total Harmonics Distortion (THD)	< 1.5% with Linear Load; < 6% with Non-linear Load				
Crest Factor	3 : 1				
Overload Capacity	110% for 1 hour; 125% for 10 minutes; 150% for 1 minutes; 200ms for >150%				
BATTERY					
Type	Valve-Regulated Maintenance Free Sealed Lead Acid				
Battery Rating	Dependable on battery runtime requirement				
No. of Batteries	40 blocks				
DC Voltage	± 240 VDC				
Charging Current (max)	20% System power				
INDICATIONS					
LCD + LED	LCD + LED + Keyboard				
SYSTEM					
Efficiency	Normal mode: 95%; Battery mode: 95%	N: 96%; B: 96%	N: 95%; B: 95%	N: 96%; B: 96%	
IP Class	IP20				
ENVIRONMENT					
Operating Temperature	0° to 40°C (32° to 104°F)				
Relative Humidity	0% to 95% Non-condensing				
Noise Level at 1 meter	65dB @ 100% load, 62dB @ 45% load				
COMMUNICATION					
Interface (Standard)	RS232, RS485, USB Programmable Dry Contacts				
SNMP (Optional)	Power Management from SNMP Manager and Web Browser				
PHYSICAL					
Dimension (W x D x H) mm	600 x 980 x 950	600 x 980 x 1400	600 x 980 x 1150	600 x 980 x 1400	650 x 960 x 1600
Weight (kg)	170	231	210	266	305
CERTIFICATIONS					
Safety Approvals	CE				

Note: The product specification listed is subjected to change without notice.



MasterGuard X Series



MODEL	MasterGuard X Series				
Model (3/3P)	MAG33200X	MAG33250X	MAG33300X	MAG33400X	MAG33500X
CAPACITY					
Capacity (VA)	200 kVA	250 kVA	300 kVA	400 kVA	500 kVA
Capacity (W)	180 kW	225 kW	270 kW	360 kW	450 kW
INPUT					
Phase	(3/3P) 3P + N + G (380/400/415V)				
Voltage Range	304 to 478 VAC (line-line), 100% load or 228 to 304VAC load derated from 100% - 75% linearly				
Frequency Range	40 - 70 Hz				
OUTPUT					
Nominal Voltage	3 x 380/400/415 VAC (3/3P)				
Voltage Range	+2% to -2%				
Frequency	50/60 Hz				
Wave Form	Pure Sinewave				
Transfer Time	0 ms				
Total Harmonics Distortion (THD)	< 1.5% with Linear Load; < 6% with Non-linear Load				
Crest Factor	3 : 1				
Overload Capacity	110% for 1 hour; 125% for 10 minutes; 150% for 1 minutes; 200ms for >150%				
BATTERY					
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No. of Batteries	40 blocks				
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INDICATIONS					
LCD + LED	LCD + LED + Keyboard				
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Efficiency	Normal mode: 96%; Battery mode: 96%				
IP Class	IP20				
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Operating Temperature	0° to 40°C (32° to 104°F)				
Relative Humidity	0% to 95% Non-condensing				
Noise Level at 1 meter	65dB @ 100% load, 62dB @ 45% load				
COMMUNICATION					
Interface (Standard)	RS232, RS485, USB Programmable Dry Contacts				
SNMP (Optional)	Power Management from SNMP Manager and Web Browser				
PHYSICAL					
Dimension (W x D x H) mm	650 x 960 x 1600	650 x 960 x 2000	650 x 960 x 2000	1300 x 1100 x 2000	1300 x 1100 x 2000
Weight (kg)	350	445	490	810	900
CERTIFICATIONS					
Safety Approvals	CE				

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