TRIGGER

Trigger True Online double conversion **MasterGuard** Series UPS is rated at 10kVA to 40kVA, 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 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 <4%**
- **Multi-protection**
- **Battery management with smart charging control, greatly extend battery life**

MasterGuard Series
10 - 40 KVA
UNINTERRUPTIBLE POWER SUPPLY

MasterGuard Series

$C\epsilon$

MODEL	MasterGuard Series					
Model (3/3P)	MAG3310S	MAG3310L	MAG3315S	MAG3315L	MAG3320S	MAG3320L
CAPACITY						
Capacity (VA)	10 kVA		15 kVA		20 kVA	
Capacity (W)	10 kW		15 kW		18 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	+1.5% to -1.5%					
Frequency	50/60 Hz					
Wave Form	Pure Sinewave					
Transfer Time	0 ms					
Total Harmonics Distortion (THD)	< 1% with Linear Load; < 5.5% 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: 94.5%				Normal: 95%; Battery: 95%	
IP Class	IP20					
ENVIRONMENT						
Operating Temperature	0º to 40ºC (32º to 104ºF)					
Relative Humidity	0% to 95% Non-condensing					
Noise Level at 1 meter	<55dB					
COMMUNICATION						
Interface (Standard)	RS232, RS485, Programmable Dry Contacts					
SNMP (Optional)	Power Management from SNMP Manager and Web Browser					
PHYSICAL						
Dimension (W x D x H) mm	250 x 840 x 715	250 x 660 x 530	250 x 840 x 715	250 x 660 x 530	350 x 738 x 1335	250 x 680 x 770
Weight (kg)	51.5	31	51.5	31	89	50
CERTIFICATIONS						
Safety Approvals	CE					

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

TRIGGER®

MasterGuard Series

CE

MODEL		MasterGuard Series		
Model (3/3P)	MAG3330S	MAG3330L	MAG3340S	MAG3340L
CAPACITY				
Capacity (VA)	30 kVA		40 kVA	
Capacity (W)	27 kW		36 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	+1.5% to -1.5%			
Frequency	50/60 Hz			
Wave Form	Pure Sinewave			
Transfer Time	0 ms			
Total Harmonics Distortion (THD)	< 1% with Linear Load; < 5.5% 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%		Normal mode: 96%; Battery mode: 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	<55dB			
COMMUNICATION				
Interface (Standard)	RS232, RS485, Programmable Dry Contacts			
SNMP (Optional)	Power Management from SNMP Manager and Web Browser			
PHYSICAL				
Dimension (W x D x H) mm	350 x 738 x 1335	250 x 680 x 770	500 x 840 x 1400	250 x 836 x 770
Weight (kg)	89	52	140	61
CERTIFICATIONS				
Safety Approvals	CE			

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

TRIGGER