



Trigger True Online double conversion **ModuGuard 25/30 Series** UPS is equipped to provide clean and quality backup power supply to the equipment supported. **ModuGuard 25/30 Series** is rated at 25kVA to 600kVA.

The Modular 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.

**ModuGuard 25/30 Series** UPS uses modular IGBT and SCR in Rectifier and Inverter, bringing in extremely high reliability. The Isolated Air Flow design also allows the UPS to run in dusty environments, significantly improving its stability and environment adaptability. The 25KVA/30KVA Power Module (3U height) mounted in cabinet compatible with 19" standard equipment rack also reduces the footprint of the entire UPS System. Modular design simplifies maintenance and replacement with low Mean Time To Repair (MTTR).



Computer/  
Server



Network  
Peripherals



Telecom



Security



### Key Features

- Rack Modular Design
- High Power Density
- Isolated Air Flow Design
- Intelligent Charging Management
- Independent LCD for each Module
- Friendly Interface
- Smart Sleep Function
- Self-aging Mode

# ModuGuard 25/30 Series

25 - 600 KVA

UNINTERRUPTIBLE POWER SUPPLY





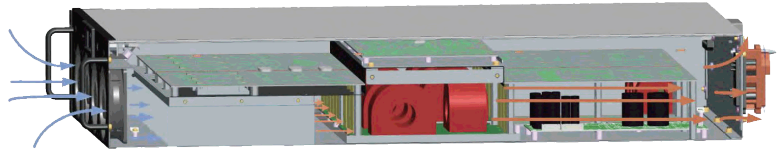
PM25X/PM30X

### High Power Density

Slim 25/30KVA Power Module in 3U height save great amount of space and easy for future expansion.

### Isolated Air Flow Design

The dedicated and redundant hot-swappable power modules take the most unique structure design. In this design, the PCB boards and heatsinks are in two completely different layers, which allows the UPS to operate in dusty environments, significantly improving its stability and environmental adaptability.



- Cooling air flows in the lower layer, keeping the upper PCB free of dust
- One air flow channel ensures fans redundancy, even one fan fails, power module can run normally.

### Independent LCD for each Power Module

Each Power Module has an independent LCD, gives users direct overview of status and alarms in real time.



### Smart Sleep Function

System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency and prolong the lifespan of the system.

### Self-aging Mode

Self-aging mode for full load test with less than 10% of the total power capacity needed. Thus, saving more than 90% energy.

### Friendly Interface

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





# ModuGuard 25 Series



<b>MODEL</b>	<b>ModuGuard 25 Series</b>		
Model (3/3P)	MOG33150/25	MOG33250/25	MOG33500/25
Power Module	PM25X (25KVA/25KW)		
UPS Cabinet	6-Slot	10-Slot	20-Slot
<b>CAPACITY</b>			
Capacity (VA)	150 kVA	250 kVA	500 kVA
Capacity (W)	150 kW	250 kW	500 kW
<b>INPUT</b>			
Phase	3 Phase + Neutral + Ground. 380V/400V/415V (line-line)		
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		
<b>OUTPUT</b>			
Nominal Voltage	380/400/415 VAC		
Voltage Range	1% for balance load; 1.5% for unbalance load		
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%		
<b>BATTERY</b>			
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		
<b>INDICATIONS</b>			
LCD + LED	10.4" colour touch screen LCD + LED + Keyboard		
<b>SYSTEM</b>			
Efficiency	Normal mode: 95.5%; ECO mode: 99%; Battery mode: 95%		
IP Class	IP20		
<b>ENVIRONMENT</b>			
Operating Temperature	0° to 40°C (32° to 104°F)		
Relative Humidity	0% to 95% Non-condensing		
Noise Level at 1 meter	72dB @ 100% load, 68dB @ < 45% load	65dB @ 100% load, 62dB @ < 45% load	
<b>COMMUNICATION</b>			
Interface (Standard)	RS232, RS485, Dry Contacts, USB		
SNMP (Optional)	SNMP Manager and Web Browser, Expansion Dry Contact Card AS400		
<b>PHYSICAL</b>			
Power Module Dim (W x D x H) mm	460 x 790 x 134 (3U)		
Power Module Weight (kg)	34.0		
6-Slot Cabinet Dim (W x D x H) mm	600 x 1100 x 1600		
6-Slot Cabinet Weight (kg)	165.0		
10-Slot Cabinet Dim (W x D x H) mm	600 x 1100 x 2000		
10-Slot Cabinet Weight (kg)	220.0		
20-Slot Cabinet Dim (W x D x H) mm	2000 x 1100 x 2000		
20-Slot Cabinet Weight (kg)	660.0		
<b>CERTIFICATIONS</b>			
Safety Approvals	CE		

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





# ModuGuard 30 Series



<b>MODEL</b>	<b>ModuGuard 30 Series</b>		
Model (3/3P)	MOG33180/30	MOG33300/30	MOG33600/30
Power Module	PM30X (30KVA/27KW)		
UPS Cabinet	6-Slot	10-Slot	20-Slot
<b>CAPACITY</b>			
Capacity (VA)	180 kVA	300 kVA	600 kVA
Capacity (W)	162 kW	270 kW	540 kW
<b>INPUT</b>			
Phase	3 Phase + Neutral + Ground. 380V/400V/415V (line-line)		
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		
<b>OUTPUT</b>			
Nominal Voltage	380/400/415 VAC		
Voltage Range	1% for balance load; 1.5% for unbalance load		
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%		
<b>BATTERY</b>			
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		
<b>INDICATIONS</b>			
LCD + LED	10.4" colour touch screen LCD + LED + Keyboard		
<b>SYSTEM</b>			
Efficiency	Normal mode: 95.5%; ECO mode: 99%; Battery mode: 95%		
IP Class	IP20		
<b>ENVIRONMENT</b>			
Operating Temperature	0° to 40°C (32° to 104°F)		
Relative Humidity	0% to 95% Non-condensing		
Noise Level at 1 meter	72dB @ 100% load, 68dB @ < 45% load	65dB @ 100% load, 62dB @ < 45% load	
<b>COMMUNICATION</b>			
Interface (Standard)	RS232, RS485, Dry Contacts, USB		
SNMP (Optional)	SNMP Manager and Web Browser, Expansion Dry Contact Card AS400		
<b>PHYSICAL</b>			
Power Module Dim (W x D x H) mm	460 x 790 x 134 (3U)		
Power Module Weight (kg)	34.0		
6-Slot Cabinet Dim (W x D x H) mm	600 x 1100 x 1600		
6-Slot Cabinet Weight (kg)	165.0		
10-Slot Cabinet Dim (W x D x H) mm	600 x 1100 x 2000		
10-Slot Cabinet Weight (kg)	220.0		
20-Slot Cabinet Dim (W x D x H) mm	2000 x 1050 x 2000		
20-Slot Cabinet Weight (kg)	660.0		
<b>CERTIFICATIONS</b>			
Safety Approvals	CE		

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