

SM20KPM/SM060KMF
SM120KMF/SM200KMF

SCALABLE UPS TO GUARANTEE ULTIMATE POWER PROTECTION



Dual Input



Online ECO Mode

UPS Parallel
ExpansionMaintenance
Bypass SwitchSmart Battery
ManagementEmergency
Power Off

The 3-Phase Modular UPS with N+X redundancy design and hot-swappable modularity for mission-critical applications

Designed for server room and data center applications, the Modular UPS (3-Phase) Series adopts double-conversion topology to provide seamless Pure Sine Wave output. The modular UPSs support vertical addition of power modules, and horizontal expansion by paralleling multiple systems to achieve even higher capacity, allowing users to customize base on their business needs. The N+1 redundancy design and replaceable modularity enhances the system availability and avoids the risk of single point of failure.

APPLICATION

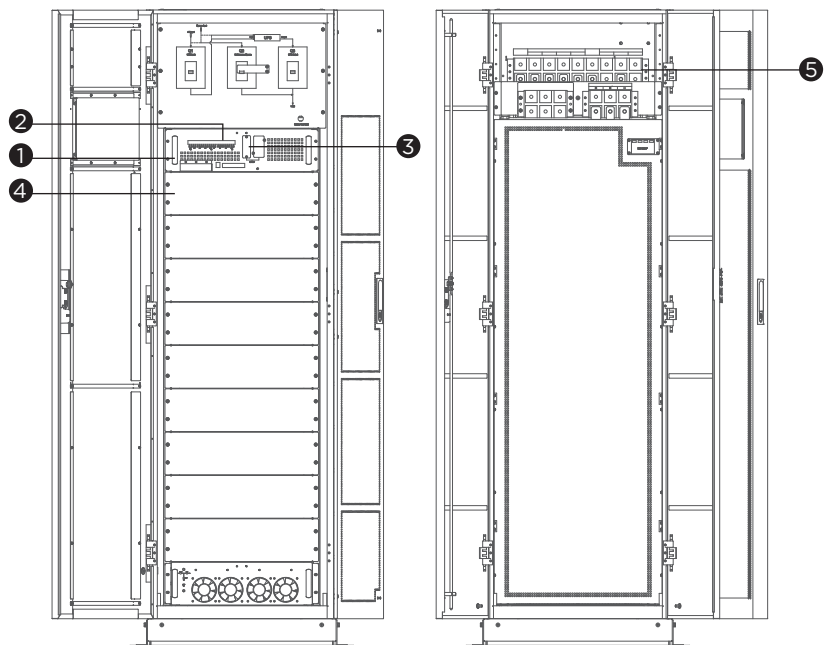
- Server Room
- Factory
- Train Station
- Data Center
- Airport

SERIES FEATURES

- Dual Input Design
- Online ECO Mode
- UPS Parallel Expansion
- Maintenance Bypass Switch
- Smart Battery Management
- Emergency Power Off

PRODUCT CALLOUTS

1. Bypass Module
2. Dry Contact
3. SNMP/HTTP Network Slot
4. Power Module
5. Power Connection



SM200KMF

TECHNICAL SPECIFICATIONS

Model Name	SM20KPM	SMO60KMF	SM120KMF	SM200KMF
General				
Phase	Three Phase Power Module	Three Phase Modular UPS	Three Phase Modular UPS	Three Phase Modular UPS
Energy Saving Technology	Online ECO Mode Efficiency > 98%	Online ECO Mode Efficiency > 98%	Online ECO Mode Efficiency > 98%	Online ECO Mode Efficiency > 98%
Normal Mode Efficiency (%)	95%	95%	95%	95%
Battery Mode Efficiency (%)	95%	95%	95%	95%
Parallel Expansion (Max. Units)	-	6	3	2
Input				
Dual Power Inputs	-	Yes	Yes	Yes
Input Voltage (Vac)	Line to Line (L-L):380 - 415 Vac, Line to Neutral (L-N):220 - 240 Vac	Line to Neutral (L-N):220 - 240 Vac, Line to Line (L-L):380 - 415 Vac	Line to Neutral (L-N):220 - 240 Vac, Line to Line (L-L):380 - 415 Vac	Line to Neutral (L-N):220 - 240 Vac, Line to Line (L-L):380 - 415 Vac
Input Frequency (Hz)	60 ± 3, 50 ± 3	50 ± 3, 60 ± 3	50 ± 3, 60 ± 3	50 ± 3, 60 ± 3
Input Power Factor	0.99	0.99	0.99	0.99
Output				
Capacity (VA)	20000	60000	120000	200000
Capacity (Watts)	18000	54000	108000	180000
Output Voltage (Vac)	-	Line to Line (L-L):380 - 415 Vac, Line to Neutral (L-N):220 - 240 Vac		
Output Voltage Tolerance (%)	1%	1%	1%	1%
Power Factor	0.9	0.9	0.9	0.9
Overload Protection (Line Mode)	105-110% Load for 60 min, 110-125% Load for 10 min, 125-150% Load for 1 min, >150% Load Immediately			
Crest Factor	3:1	3:1	3:1	3:1
Harmonic Distortion (Linear Load)	THD<1%	THD<1%	THD<1%	THD<1%
Harmonic Distortion (Non-linear Load)	THD<5.5%	THD<5.5%	THD<5.5%	THD<5.5%
Battery				
Maximum Recharge Power (%)	20	20	20	20
Charger Voltage Tolerance (%)	-	1%	1%	1%
Management & Communications				
LCD Panel	-	Yes	Yes	Yes
Serial Port	-	RS232 x 1 + RS485 x 1 + Dry Contact x1	RS232 x 1 + RS485 x 1 + Dry Contact x1	RS232 x 1 + RS485 x 1 + Dry Contact x1
Dry Contact (with Relay)	-	Yes	Yes	Yes
Emergency Power Off (EPO) Port	-	Yes	Yes	Yes
Power Management Software	-	PowerPanel® Business	PowerPanel® Business	PowerPanel® Business
SNMP/HTTP Remote Monitoring	-	Yes - with optional RMCARD205	Yes - with optional RMCARD205	Yes - with optional RMCARD205
Physical				
Ingress Protection	-	IP20	IP20	IP20
Physical Size				
Dimensions (WxHxD) (mm.)	440 x 134 x 590	600 x 1100 x 900	600 x 1600 x 900	600 x 2000 x 900
Weight (kg.)	22	105	145	179
Environmental				
Operating Temperature (°C)	0 - 40	0 - 40	0 - 40	0 - 40
Operating Relative Humidity (Non-condensing) (%)	0 - 95	0 - 95	0 - 95	0 - 95
Certifications				
Certifications*	CE, IEC62040-1, IEC62040-2	CE, IEC62040-1, IEC62040-2	CE, IEC62040-1, IEC62040-2	CE, IEC62040-1, IEC62040-2

*Certifications may vary according to different regions. Visit www.cyberpower.com for more information.
#All specifications are subject to change without notice.