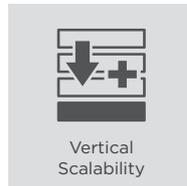
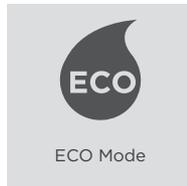


SM060KMF/SM120KMF
SM200KMF

SCALABLE UPS TO GUARANTEE ULTIMATE POWER PROTECTION



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

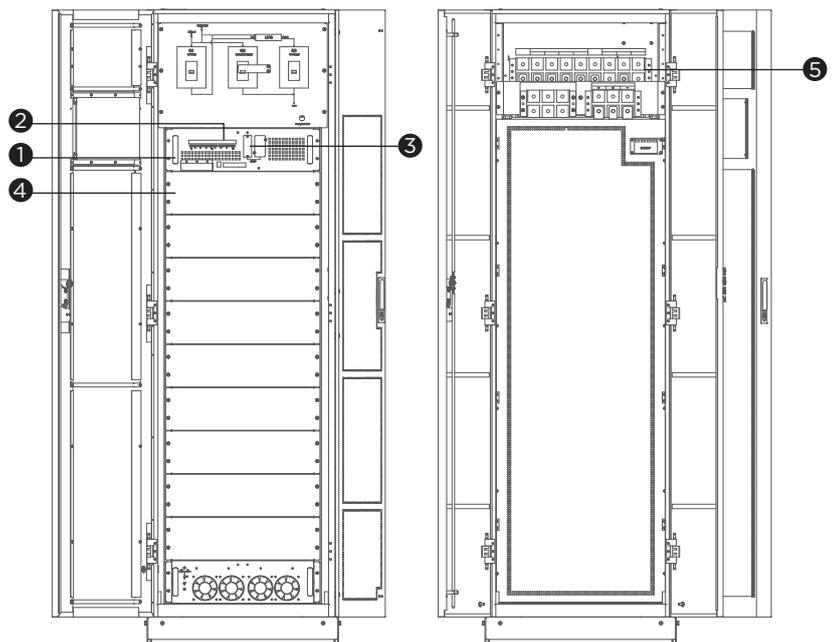
Designed for server room and data center applications, the Modular UPS (3-Phase) Series adopts double-conversion topology to provide seamless Pure Sine Wave output. The modular UPSs support vertical addition of power modules, and horizontal expansion by paralleling multiple systems to achieve even higher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

SERIES FEATURES

- Three-phase Design
- Online (Double Conversion) UPS Topology
- ECO Mode
- Vertical Scalability
- LCD Touch Panel
- Active PFC Compatible
- UPS Parallel Expansion
- Dual Inputs
- Generator Compatible
- Pure Sine Wave Output
- Maintenance Bypass Switch
- Smart Battery Management (SBM)
- Emergency Power Off (EPO) Port
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel Management Software

PRODUCT CALLOUTS

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



SM200KMF



TECHNICAL SPECIFICATIONS

Model Name	SM060KMF	SM120KMF	SM200KMF
General			
Phase	Three Phase		
Form Factor	Modular		
Energy Saving Technology	ECO Mode Efficiency > 98%		
Normal Mode Efficiency (%)	95%		
Battery Mode Efficiency (%)	95%		
Parallel Expansion (Max. Units)	6	3	2
Input			
Dual Power Inputs	Yes		
Nominal Input Voltage (Vac)	Line to Neutral (L-N):220, 230, 240 Vac, Line to Line (L-L):380, 400, 415 Vac		
Input Voltage Range (Vac)	Line to Neutral (L-N):132 - 276 Vac, Line to Line (L-L):228 - 478 Vac		
Input Frequency (Hz)	50 ± 3, 60 ± 3		
Input Frequency Range (Hz)	40 - 70		
Input Power Factor	0.99		
Output			
Capacity (VA)	60000	120000	200000
Capacity (Watts)	54000	108000	180000
Rated Output Voltage (Vac)	Line to Neutral (L-N):220, 230, 240 Vac, Line to Line (L-L):380, 400, 415 Vac		
Output Voltage Tolerance (%)	1%		
Output Frequency (Hz ± %)	50 ± 0.1, 60 ± 0.1		
Power Factor	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		
Harmonic Distortion (Linear Load)	THD<1%		
Harmonic Distortion (Non-linear Load)	THD<5.5%		
Battery			
Compatible Battery Types	VRLA, AGM, Gel, Wet		
Recharge Power (%)	Default 10% (Selectable from 1-20% x UPS Capacity)		
Charger Voltage Tolerance (%)	≤ 1 %		
Battery Solution	Extended Battery		
Battery Voltage (V)	±240 (480)		
Compatible Extended Battery Cabinet (EBC)	SMBF17, SMBF20, SMBF26, SMBF40, SMBF65, BCA100N125, BCA12N63, BCA20N125, BCA40N125		
External Battery Quantity	12V x 40pcs		
Management & Communications			
LCD Panel	Yes		
LCD Types	LCD Touch Panel		
LCD Information Display	Operation Type, Power Status, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log		
LCD Setting & Control	Mode Setting, Input & Output, Battery Setting, Fault & Warning, Communication, Event & Log, Security Setting, Language		
LED Indicators	Yes		
Serial Port	RS232 x 1 + RS485 x 1 + Dry Contact x 1		
Dry Contact (with Relay)	Yes		
Emergency Power Off (EPO) Port	Yes		
Power Management Software	PowerPanel Business (Recommended)		
SNMP/HTTP Remote Monitoring	Yes - with optional RMCARD205		
Physical			
Ingress Protection	IP20		
Physical Size			
Dimensions (WxHxD) (mm.)	600 x 1100 x 900	600 x 1600 x 900	600 x 2000 x 900
Weight (kg.)	105	145	179
Environmental			
Operating Temperature (°C)	0 - 40		
Operating Relative Humidity (Non-condensing) (%)	0 - 95		
Operating Elevation (meters)	≤1000, Load Derated 1% per 100m from 1000m and 2000m		
Storage Temperature (°C)	-40 - 70		
Storage Relative Humidity (Non-condensing) (%)	0 - 95		
Audible Noise at 1.0M from Surface of Unit (dBA)	55		
Certifications			
Certifications*	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.