

CyberPower®

3-PHASE MODULAR UPS SYSTEMS

Ready to go, ready to grow.

Scalable 3-Phase
power protection
for mission-critical
applications



CyberPower's online double conversion, 3-Phase Modular UPS Systems bring flexibility and efficiency to 3-Phase power protection. The modular design can be configured as a tower, side-by-side, or integrated within a rack. Its high-density power modules use less space and allow more room for expansion and are also configurable for N+N system or N+1 power module redundancy. The user-friendly interface features a 7" touch-control LCD display with "at-a-glance" color graphics for system information and power conditions.



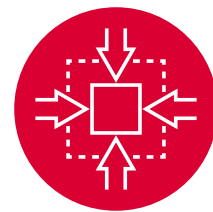
POWER MODULE REDUNDANCY

N+N ensures uninterrupted operation if the entire system fails. N+1 guarantees system availability if one power module fails.



MODULAR DESIGN

Allows for customization and easy integration into existing rack configurations.



HIGH-DENSITY POWER MODULES

High-density 10kVA/10kW power modules are 2U in height allowing for easy installation and service. Compact footprint allows for an efficient cabinet design.

MODEL	SMO20KAMFA	SMO40KAMFA
GENERAL		
Phase	3-Phase Modular UPS	3-Phase Modular UPS
Energy Saving Technology	Online ECO Mode Efficiency > 97.5%	Online ECO Mode Efficiency > 97.5%
Normal Mode Efficiency (%)	93	93
Battery Mode Efficiency (%)	92.5	92.5
Parallel Expansion	Yes	Yes
INPUT		
Dual Power Inputs	Yes	Yes
Input Voltage (Vac)	Line to Line (L-L):208 - 220 Vac, Line to Neutral (L-N):120 - 127 Vac	Line to Line (L-L):208 - 220 Vac, Line to Neutral (L-N):120 - 127 Vac
Input Frequency (Hz)	40-70	40-70
Input Power Factor	0.99	0.99
THDI (%)	< 4 (Full Linear Load)	< 4 (Full Linear Load)
OUTPUT		
Capacity (VA)	20,000	40,000
Capacity (Watts)	20,000	40,000
Output Voltage (Vac)	Line to Line (L-L):208 - 220 Vac	Line to Line (L-L):208 - 220 Vac
Output Voltage Tolerance (%)	1	1
Power Factor	1	1
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
Harmonic Distortion (Linear Load)	THD<1.5%	THD<1.5%
Harmonic Distortion (Non-linear Load)	THD<6%	THD<6%
BATTERY		
Typical Recharge Power (%)	10% Power (selectable from 1-20%)	10% Power (selectable from 1-20%)
Charger Voltage Tolerance (%)	1	1
MANAGEMENT & COMMUNICATIONS		
LCD Touch Panel	Yes, 7" Color Screen	Yes, 7" Color Screen
Communications	1 x RS-232 Serial, 1 x RS-485 Modbus	1 x RS-232 Serial, 1 x RS-485 Modbus
Dry Contact (with Relay)	Yes	Yes
Emergency Power Off (EPO) Port	Yes	Yes
Power Management Software	PowerPanel® Business Edition	PowerPanel® Business Edition
SNMP/HTTP Remote Monitoring	Yes, RMCARD205 Pre-Installed	Yes, RMCARD205 Pre-Installed
PHYSICAL SIZE - UPS CHASSIS OR BATTERY CHASSIS		
Dimensions WxDxH (in/mm)	19.1 x 30.5 x 19.8 / 485 x 775 x 502	19.1 x 30.5 x 33 / 485 x 775 x 839
Dimensions Wheels & Mount Feet Height (in/mm)	4.1 / 104	4.1 / 104
Weight UPS Chassis (lb/kg)	143.3 / 65	178.6 / 81
Weight Battery Chassis (lb/kg)	134.5 / 61	207.2 / 94
ENVIRONMENTAL		
Operating Temperature (°F / °C)	32 - 104 / 0 - 40	32 - 104 / 0 - 40
Operating Relative Humidity (Non-condensing) (%)	0 - 95	0 - 95
CERTIFICATIONS		
Certifications	cTUVus	cTUVus

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