



MODULAR UPS (3-PHASE) SERIES

Scalable UPS to provide ultimate power protection



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

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

FEATURES:

- N+X Redundancy
- UPS Parallel Expansion
- EBM Expansion
- LCD Touch Panel
- Online ECO Mode
- Generator Compatible
- Maintenance Bypass Switch

APPLICATIONS:

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

MODEL	SMO20KAMFA	SMO40KAMFA
GENERAL		
Phase	Three Phase Modular UPS	Three 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)	20000	40000
Capacity (Watts)	20000	40000
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% x Power (selectable from 1-20%)	10% x 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 (mm/in)	485 x 775 x 502 / 19.1 x 30.5 x 19.8	485 x 775 x 839 / 19.1 x 30.5 x 33
Dimensions Wheels & Mount Feet Height (mm/in)	104 / 4.1	104 / 4.1
Weight UPS Chassis (kg/lb)	65 / 143.3	81 / 178.6
Weight Battery Chassis (kg/lb)	61 / 134.5	94 / 207.2
ENVIRONMENTAL		
Operating Temperature (°F - °C)	0 - 40	0 - 40
Operating Relative Humidity (Non-condensing) (%)	0-95	0-95
CERTIFICATIONS		
Certifications	cTUVus	cTUVus

Contact: Cyber Power Systems (USA), Inc. | 877.901.1930 | sales@cpsww.com



©2021 Cyber Power Systems (USA), Inc. All rights reserved. All other trademarks are the property of their respective owners. CyberPower reserves the right to change, without prior notice, marketing programs, product offerings or specifications.