Extreme SPXM33 Modular Series

50-600kVA

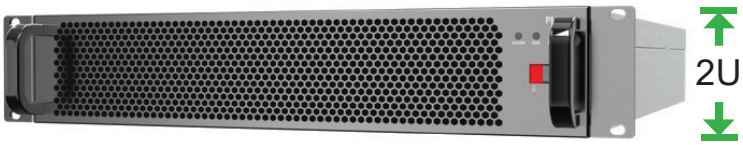
- Data center
- Telecom system
- Computer room
- Financial system
- Precision instrument
- Intelligent equipment

Advanced Technology

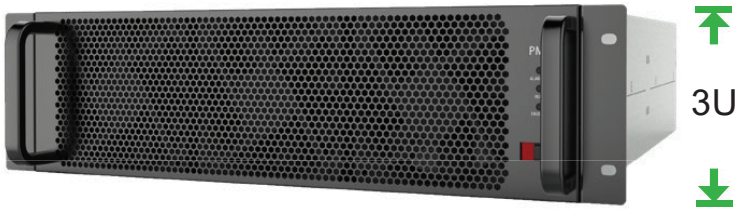
- Online double conversion
- Battery cold start function
- Advanced power module sleep mode
- Dual system control card
- Self-load test function
- Frequency converter function
- Redundant design
- 30k 2U design

PRODUCT DATASHEET

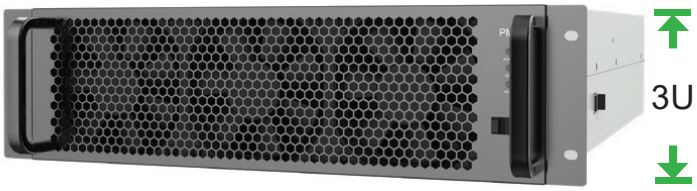
UPREME
Smart Innovation



30Kw Power Module
Dimension (W×D×H): 440×640×86mm



50Kw Power Module
Dimension (W×D×H): 440×640×130mm



100Kw Power Module
Dimension (W×D×H): 440×750×130mm

Excellent Flexibility

- Allow 100% three phase unbalance load
- Intelligent battery management
- Parallel expansion up to 8 units
- Fault Trace Management (Black box)
- Programmable dry contacts

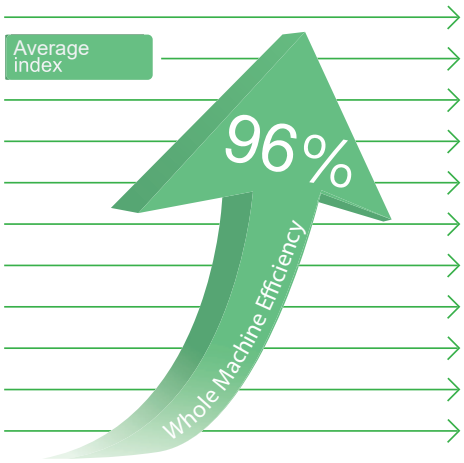
Green Power

- Efficiency up to 97%
- Intelligent fan speed control
- ECO mode and EPO function

SUPREME
Smart Innovation

High Reliability

- Wide input voltage range -60%~ +25% with high grid adaptability
- Hot-swappable function ensures uninterrupted operations during maintenance
- Dual system control card prevents single failure point
- Intelligent fan control and redundant design for energy saving: Parallel expansion up to four systems without requiring additional hardware



High Performance

- High efficiency in online mode (>96%) reduces heat dissipation and limits power consumption costs
- THDi≤3% and input power factor 0.99 reduce the pollution to grid and reduce upstream investment costs
- Full rated power (kVA=kW) to maximize power availability
- Efficiency>99% in ECO mode gives significant cost reduction
- Advanced power module sleep mode, prolong the service life of power module
- Allow 100% three phase unbalance load
- Frequency converter function (60Hz to 50Hz or 50Hz to 60Hz)
- Self-load test function without load enables on-site commission
- Small footprint, 300kW only covers 0.5m^2

Intelligent Management

- Fault Trace Management (FTM) for convenient failure analysis(80ms waveform record)
- 7-inch HMI enables more parameters setting and status showing
- Intelligent battery charging system, prolong the service life of batteries
- Intelligent battery management, 28-46 pcs batteries per group allow customers to get the faulty battery out instead of replacing it
- Common battery bank sharing in parallel system

More Options

Power Distribution Cabinet

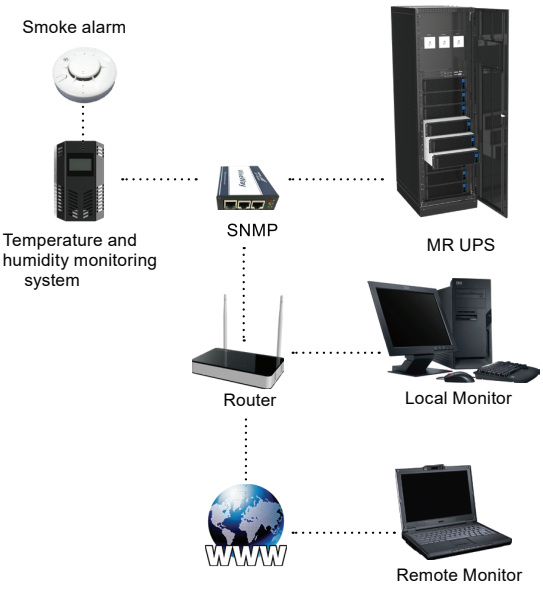
- Design the power distribution cabinet according to your integrated solution
- Backfeed protection

Flexible Network Management

- Optional internal SNMP adapter
- Intelligent management software

Intelligent Battery Monitoring System BMS2000:

- Smart status diagnosis
- Abnormal status real time alarming
- Event logs recording
- Parameters real time monitoring



SPECIFICATIONS

MODEL		SPXM33120	SPXM33200	SPXM33300	SPXM33400	SPXM33500	SPXM33600
Power Module		**SPXM3330-PM**	**SPXM3350-PM**				
Capacity (kW)		30	50				
INPUT							
Rated Voltage (Vac)		380/400/415					
Voltage Range (Vac)		L:L 138~485					
Input Frequency (Hz)		40~70					
Bypass Voltage Range (Vac)		-15% (-20%/-30% optional) ~+15%(+10% /+20% optional)					
Power Factor		≥0.99					
THDi		2% (linear load)					
Phase		3Φ4W+PE					
Battery Voltage (Vdc)		±192 (±168~±276 settable)	±192 (±180~±276 settable)	±240 (±168~±276 settable)			
Charging Current (A)		N×10 Maximum (N: the number of power modules)					
OUTPUT							
Capacity (kVA)		120	200	300	400	500	600
Power Factor		1					
Phase		3Φ4W+PE					
Waveform		sine wave					
Voltage (Vac)		L-L:380, 400, 415±1%					
Frequency (Hz)		50/60± 0.2% (battery mode)					
Three Phase Difference		≤1 degrees					
THDv		≤1% (linear load, full load), ≤4% (nolinear load, full load)					
Static Bypass Transfer Time		0					
Max. System Efficiency		97%					
Parallel Mode		Advanced no-master-slave parallel technology, N+1 redundancy					
Overload Capacity		106-110% load for 60mins, 111%-130% load for 10mins, 131%-150% load for 1 min, 151%-200% load for 200ms					
GENERAL							
Working Temperature (°C)		-5~40					
Storage Temperature (°C)		-40~70					
Relative Humidity		0%~95%, no condensing					
Battery Type		Lead-acid batteries and lithium iron phosphate batteries					
Communication Interface		RS485, RS232, dry contact (SNMP optional)					
Noise (dB)		< 65	< 70				
Dimension (W×D×H) (mm)		600×860×2000			1200×860×2000		
Weight (kg)	Cabinet	180	224	236	427		
	Bypass Module	17	19	25	25	31	31
	Power Module	27	33				

Specification is subject to change without prior notice.