

Extreme Power SPXM33 - HI Modular Series

600-1200kVA



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

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

Advanced Technology

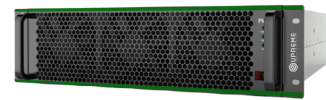
- ✔ Online double conversion
- ✔ Battery cold start function
- ✔ Advanced power module sleep mode
- ✔ Dual system control card
- ✔ Self-load test function
- ✔ Frequency converter function
- ✔ Redundant design
- ✔ 30k 2U design

PRODUCT DATASHEET



Design Idea

Supreme Extreme Power Modular Series, 3 Phase in / 3 Phase out adopts advanced 3-level inverter technology and reliable redundancy design from components to the whole machine. It has the advantages of high as required and small occupied area, and provides reliable, stable and pure green power for loads. efficiency, high power density, easy expansion, capacity expansion



Power Modular 100kW, 125kW

Product Description

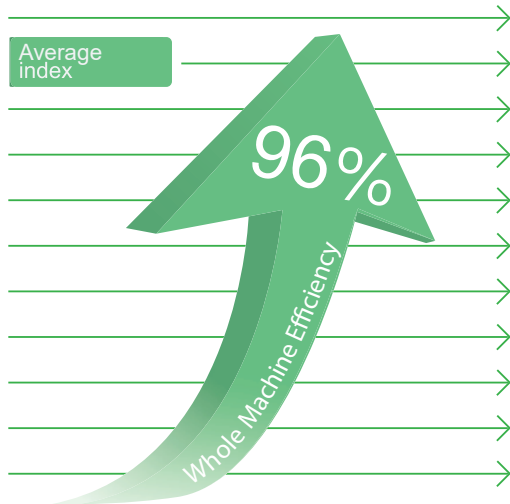
- Modular capacity: 100kW, 125kW
- Cabinet capacity: 400/500/600/800/1000/1200/1250kVA
- Rated voltage: 380/400/415Vac (L-L)
- Rated frequency: 50/60Hz
- Topology: online double conversion UPS

Application Fields

- Large data center, communications
- Government, taxation, education
- Finance, transportation, energy



PRODUCT DATASHEET



Efficient & Saving

Green Saving

- The latest IGBT rectification technology is adopted to realize ultra-low input current harmonics, which eliminates the pollution to the power grid, reduces the cost of power factor compensation and harmonic control, and reduces the cable loss. It protects both the load and the power grid.
- The input power factor is greater than 0.99, which improves the utilization rate of electric energy, reduces the distribution loss at the front end of UPS and reduces the input cost of customers.

High Efficiency

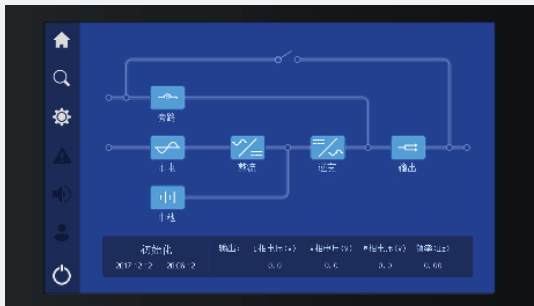
- The efficiency of the whole machine is as high as 97%, which greatly saves energy consumption (UPS heat consumption and air conditioning energy consumption) and reduces operating costs.
- The output power factor is 1.0 by default, with the same equipment input cost, greater active output and higher cost performance, which meets the requirements of different application scenarios for high output power factor.
- When the quality of mains supply is high, the ECO mode can be used to supply power to the load, the efficiency of the whole machine is as high as 99%, and the energy saving benefit is remarkable



Intelligent & Reliable & Friendly

User-friendly Interface

- Innovative application of data intelligent acquisition technology enables check of all product data in the parallel system on the control panel of any product.
- Large-size color touch screen design and humanized operation
- Double key combination of on and off, double protection of soft and hard
- EPO button with protective cover for emergency shut-off, misoperation prevention design, safety double upgrade
- Man-machine interface is friendly, close to customers' habits, and the software is rich in functions, which is convenient for users to read information and operate.
- Support asset management of vulnerable devices and spare parts



Intelligent setting



Friendly management



Double button design



7-inch touch screen



history records



Multi-language

SPECIFICATIONS

MODEL	SPXM33400	SPXM33500	SPXM33600	SPXM33800	SPXM331000	SPXM331200
Power Module	SPXM33100 - PM					
Capacity (kW)	100					
INPUT						
Voltage Range (Vac)	138~485 (324~485 no derating, 138~323 linear derating)					
Frequency Range (Hz)	40~70					
Power Factor	>0.99					
THDi	2% (linear load)					
Phase	3Ph+N+PE/3Ph+PE (optional)					
Bypass synchronization tracking range (Hz)	50/60±4					
Bypass input voltage range (Vac)	304~438					
Battery Voltage(VDC)	±180~±300					
OUTPUT						
Power Factor	1.0					
Phase	3Ph+N+PE					
Voltage (Vac)	380/400/415±1%					
Frequency (Hz)	50/60±0.1%					
THDv	<1% (linear load), <3% (non-linear load)					
Max. Efficiency	97%					
Overload Capacity	106-110% load for 60 minutes, 111%-125% load for 10 minutes, 126%-150% load for 1minute, 151%~200% load change to bypass immediately					
Static Bypass Transfer Time	0					
Cool Start	Yes					
GENERAL						
Working Temperature (°C)	0-40					
Storage Temperature (°C)	-40~70					
Relative Humidity	0~95%, no condensation					
Battery Type	Lead-acid batteries and lithium iron phosphate batteries					
Communication Interface	RS232, RS485, Dry contact, MODBUS, SNMP (optional)					
Alarm	Input abnormal, battery low-voltage, output overload, UPS failure					
Protection	Short-circuit, overload, over-temperature, battery under voltage, input under voltage					
Noise (dB)	<70					
Dimension (W×D×H)(mm)	1200*1000*2000		1400*1000*2000		1800*1000*2000	
Weight(kg)	Cabinet	480	506	580	731	
	Bypass Module	32	50	60	120	
	Power Module	55				

There are other optional accessories to choose;

Specifications are subject to change without notice;

Because of module redundancy, it is not recommended to configure only one power module.