MASTER SERIES

6 ~ 30kVA

Topology: Three-phase in to Single-phase out, power frequency, double conversion online

Features

■ High reliability Design

· Double Conversion on-line design, which makes the output a pure sine wave source with tracking frequency , phase-lock and voltage regulation, low distortion and without power fluctuation interference, providing the load with more comprehensive protection.

■ Strong protection for load

· Built-in isolation transformer, strong anti-interference ability, provide more comprehensive and perfect protection.

Rear Panel

■ Strong environmental adaptability

· Wide input voltage range up to : 304 ~ 456Vac, avoid frequently switching to battery mode, which adapt to the areas with harsh environment.

· Wide input frequency range, ensure all types of fuel generators connected work stable.

■ Optimization of high-performance battery

· Adapt intelligent battery management(ABM) technology, thus extending battery life and reducing battery maintenance times.

· Advanced floating switching and charging technology maximums the activation of the battery, thus saves the charging time and extends the battery life.

■ Battery cold start function

· The UPS can be start directly by battery group when no utility access in, which meets the emergent needs of user.

· Strong cold start ability, which can do the cold start operation when full load.

1.RS232 port
2.Input breaker
3.FAN
4.Connection box
5.Entrance hole
6.Active wheel

■ Comprehensive and reliable protection

· Self-diagnosis function before start-up, avoid the risks that the failure may lead to.

· The multi-protections such as overload, short-circuit, over-temperature, battery under voltage, battery over-charge and so on greatly ensure the system stability and reliability.

· Advanced phase-locked synchronization technology and dual electronic static output switches, ensure the switching operation between bypass and inverter without any disturbance. When UPS fails, it can transfer to bypass without interruption to provide AC power to load and provide the alarm information as well.

· DC start function. The UPS can be started directly without AC, which meet the emergent needs of the user.

■ User-friendly network management

· Communication with computer can be realized by RS232 with corresponding monitoring software. The various parameters can be shown on the communication interface.

· External SNMP adapter. The UPS with remote network management capability can provide real-time data for communication and management through a variety of network management systems.

Technical Specifications:

MODEL	M6K	M8K	M10K	M12K	M15K	M20K	M25K	M30K
Capacity (VA/Watts)	6k/4.8k	8k/6.4k	10k/8k	12k/9.6k	15k/12k	20k/16k	25k/20k	30k/24k
INPUT								
Operating voltage range	380Vac(±20%), (3Ph+N+PE)							
Operating frequency range	50/60Hz(±5%)							
Power factor	>0.97 (with filter)							
Max. input current	14A	18A	23A	27A	34A	45A	52A	68A
OUTPUT								
Output voltage	220Vac(±0.5%) / 230Vac(±0.5%)							
Output frequency	50/60Hz(±0.5%)							
Efficiency	6~8KVA: 85% online, 92% High efficiency mode 10~30KVA: 90% online, 92% High efficiency mode							
Harmonic distortion (THD)	<1.5% (Linear load)							
Crest factor	3:1 (max)							
BATTERY								
Battery voltage	192Vdc						240Vdc	
SYSTEM FEATURES								
Transfer time	0ms (Line mode →Battery mode)							
Overload	>125% /1min, >150%/200ms							
LED display	Battery low, Mains status, Inverter, Bypass, UPS failure, Overload							
LCD display	I/O voltage, Frequency, Battery voltage, Load percentage,Internal temperature							
Communication interface	RS232, SNMP (optional), Dry contact(optional)							
ENVIRONMENTAL								
Operating temperature	0~40℃							
Storage temperature	-25℃~55℃							
Humidity range	0~95% (non condensing)							
Altitude	<1500m							
Noise level	<55dB							
PHYSICAL								
Dimension W×D×H (mm)	305×585×864				409×798×1044		555×741×1200	
Net weight (kg)	112	124	132	138	200	236	311	323
STANDARDS								
Safety	IEC/EN62040-1;IEC/EN60950-1							
EMC	IEC/EN62040-2;IEC61000-4-2;IEC61000-4-3;IEC61000-4-4; IEC61000-4-5;IEC61000-4-6;IEC61000-4-8							

Specifications subject to change without prior notice.