



1KVA



5KVA



3KVA

- Model serial .: M110-220/230
- Features:
 - With micro-CPU control, circuit is simple and reliable.
 - Adopting SPWM technology, with the output is pure sine wave with stabilized voltage and frequency, filtering noise and low distortion.
 - Built-in bypass switch, it can quickly switch between the mains and the inverter.
 - High efficiency >85%
 - 2 working type--- AC power type and DC power type:
 - 1) AC power type means the city power supply is main when the city power is normal, when city power is off, inverter comes into work state.
 - 2) DC power type means the inverter power supply is main when the city power is normal, when inverter power is off; city power comes into work state automatically.
 - It can be turned off DC power in working condition and auto switched to the AC bypass, which will not affect the power supply to the load, and it is convenient maintenance and replacement of the battery.
 - When it is overload, the inverter will shut off the output. After recovering the normal load power within 50 seconds, the power will auto recovery output. This function is suitable for the unmanned communication base station.
 - Support communication function; RS232/RS485/RJ45 interface for choose.
 - Provide three groups of passive dry contact: DC input failure, the mains failure and AC output failure alarm.
 - It can work without DC power. This function allows to use the inverter in advance, and install the battery.
 - Mold design alone, coated paint, beautiful and generous, light weight.
 - 1U, 2U, 4U or 8U 19 inch rack mounting design, easy to use.

TECHNICAL SPECIFICATION

Model : M110/230											
Output power		1KVA	2KVA	3KVA	4KVA	5KVA	6KVA	7KVA	8KVA	9KVA	10KVA
Run mode		Pure inverter/online interactive									
DC Input	Rated input voltage	110/220Vdc									
	Rated input current(A)	10.6/5.3	21.3/10.5	32/15.8	42.6/21.1	53.2/26.3	63.8/31.6	74.5/36.8	81.5/42.1	95.7/47.4	106.4/52.6
	Turn-off voltage range	110Vdc(94V-132V) - 220Vdc (190V-270V)									
	Turn-on voltage range	110Vdc(101V-127V) - 220Vdc (207V-260V)									
	Anti-noise current irrigation	≤10%									
AC Input	Bypass voltage	180 - 226V(± 10V)									
	Rated input current A)	10.5	21.1	31.6	42.1	52.6	63.2	73.7	84.2	94.7	105.3
	Bypass transfer time (ms)	≤ 5ms									
AC output	Power factor	0.9				0.8					
	Rated capacity(VA)	1K	2K	3K	4K	5K	6K	7K	8K	9K	10K
	Rated output power	900W	1800W	2700W	3600W	4000W	4800W	5600W	6400W	7200W	8000W
	Rated output voltage and frequency	230Vac, 50Hz									
	Wave shape	Pure sine wave									
	Rated output current	7.2A	14.5A	21.8A	29.1A	31.8A	38.2A	44.5A	50.9 A	57.3 A	63.6 A
	Output voltage accuracy	230 V±1.5%									
	Output frequency accuracy	50Hz±0.1%									
	Waveform distortion	≤3%									
	Dynamic Response Time	0.05									
	Overload	120%, 30s									
	Inverter efficiency (80% Resistive load)	≥90%									
Work	Dielectric Strength	input & output 1500Vac, 1min									
	Noise (1m)	≤ 40dB									

Switch Mode Inverter

condition	Ambient temperature	-25°C~+50°C
	Humidity	0~95%, Non-condensing
	Altitude (m)	≤1500
	Cooling	Forced air
Interface	HMI	LCD+LED display
	Communication interface	RS232/RS485/RJ45 (Choose one)

Standards

Low voltage assemblies	IEC 439
Semiconductor convertors	IEC 146
Power transformers	IEC 76
Degree of protection	IEC 529
Safety	IEC EN 50178

Marstech Systems Pte Ltd

For further information, please contact our local agent or distributor.

Singapore sales office:

MARSTECH SYSTEM PTE LTD

*Block 24 Sin Ming 05 – 107 Mid view City
Singapore 573970*

*ROC Reg. No : 200702284K GST Reg. No :
200702284K*

www.marstech.store

Viet Nam sales office:

VIET NAM MARSTECH LIMITED COMPANY

*Office : 97/11 Thoi An 17A, Thoi An Ward ,
District 12, Ho Chi Minh City*

*Factory : 97/11 Thoi An 17A, Thoi An Ward ,
District 12, Ho Chi Minh City*

www.marstech.com.vn