QUANTUM
SOLAR

QI-1312 PWM®

HIGH-TECH PERFORMMANCE

HIGH EFFICIENCY

1.3KW SOLAR INVERTER

DC INPUT 12V-104.2A

MAX SOLAR V 50VDC



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Parameters

Model	QI - 1312 PWM
AC Input voltage	220VAC (standard)
Input voltage range	154-264VAC±5V (Nor Model) 185-264VAC ±3V (UPS Model)
Input frequency	50/60Hz±5%
Out put power	1300VA 1000W
AC model output Voltage	220V±10%
Battery model output frequency	The output frequency under the mains is the same as the input frequency
Battery model output voltage	220VAC±3%
Battery model output frequency	50HZ or 60HZ±1%
Battery model output wave	Pure sine wave
Battery type	External lead-acid ,Gel, water or Lithium battery
Battery voltage	12VDC
Battery charging voltage	13.7VDC
Maximum PV array power	12V :400W
Solar input voltage range	12V: PWM 15V-50VDC
Maximum PV Display Open Circuit Voltage	12V: PWM 50VDC
Maximum solar charging current	60A
Maximum AC Charge Current	27A
Battery charging voltage range	154 - 275VAC ± 5V
Transfer time	≤10ms(UPS Model)/ ≤20ms(INV Model)
load peak ratio	(MAX) 3:1
Protective function	Under the mains input overcurrent fuse Under inverter: overload protection, short circuit protection, low voltage protection,(with battery anti-reverse connection,board).
Status Display	You can view parameters such as AC voltage, AC frequency, PVvoltage, PV current, output voltage,output frequency, battery voltage, load current and other parameters by turning the page keys.
Voice prompt	Low battery protection buzzer long beep Low battery buzzer beeps every second Machine fault buzzer beeps Overload buzzer beeps When the overload is less than 130%, the buzzer will sound every second,and the output will be turned off after 30S. When the overload is greater than 150%, the output willbe turned off after 300mS.
Operating temperature	-10 ~ 50
Storage temperature	-15 ~ 45
Relative temperature	-10 ~ 90 no condensation
Noise	<45dB

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