

## Smart Inverter Series

### Features :

Pure sine wave output  
 Optional MPPT/PWM solar charge controller 60A  
 MPPT Efficiency max 98%  
 DC Start & Automatic Self-Diagnostic Function  
 High Efficiency Design & "Power Saving Mode" to Conserve Energy  
 Auto restart when Ac in recovering  
 Smart battery charger design for optimized battery performance  
 Selectable charging current based on applications  
 AC input/DC input/Solar input optional priority  
 Auto Restart Voltage



Model	1KW
Input Voltage(AC)	220VAC(Standard)
Nominal Voltage	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
Input Voltage(DC)	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
Frequency	50/60Hz±5%
Rated Power	1000W
AC Type Output Voltage	Output voltage under mains power same as the input voltage
AC Type Output Frequency	Frequency under mains power same as the input voltage
Output Voltage(AC)	220VAC±10% (110VAC±10%)
Output Frequency (AC)	50HZ/60HZ±1%
Waveform	Pure Sine Wave
Battery Type	External lead acid battery or water battery, or lithium battery
Battery Voltage	12VDC/24VDC
Battery Charging Voltage	13.7VDC/27.4VDC
Maximum PV array power	12V: 800W 24V: 1600W
PV Input Voltage Range (PWM)	12V: PWM 15V-50VDC
Maximum photovoltaic display open circuit voltage	12V: PWM 50VDC
Best Vmp Working Range	12V: PWM 15V-20VDC 24V: PWM 30V-40VDC
Maximum solar charging current	50A
Maximum AC charging current	25A / 13A
Transfer Time	≤10ms (UPS Mode) / ≤20ms (INV Mode)
Load peak ratio	(MAX)3:1
Standby power consumption (W)	Transformer 12V : 8W
Protection	Under the main power: input overcurrent fuse Under inverter: overload protection, short circuit protection, low voltage protection, (with battery anti-reverse connection, board).
LCD indicator status	Color segment code screen with LED display AC input voltage, AC input frequency, PV voltage, PV current, Output Voltage, Output Frequency, Battery voltage, Load current etc. LED display of mains power, charging status, inverter status, and fault status
Audible alarm	The buzzer distinguishes between long and short tones based on different fault codes and alarm sounds
Working Temperature	0°C~40°C
Storage Temperature	-15°C~45°C
Humidity	-10°C~90°C
Acoustic Noise(db)	<45dB
Dimension (L*W*H)mm	253*341*106MM
Weight(kg)	8.53KG