

Smart Inverter Series

Low no-load loss
 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	3KW MPPT
Power Input(AC)	220VAC
Input Voltage Range	220V:154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
Input Frequency	50/60Hz±5%
Rated Power	3000W
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 / 48VDC
Battery Charging Voltage	13.7VDC / 27.4VDC / 54.8VDC
Maximum PV array power	12V: 800W 24V: 1600W 48V: 3200W
PV Input Voltage Range (MPPT)	24V: MPPT 30V-150VDC
Maximum photovoltaic display open circuit voltage	24V: MPPT 150VDC
Best Vmp Working Range	24V: MPPT 30-105VDC
Maximum solar charging current	60A
Maximum AC charging current	38A/19A
Transfer Time	≤10ms (UPS Mode) / ≤20ms (INV Mode)
Load peak ratio	(MAX)3:1
Standby power consumption (W)	Transformer 12V : 8W 24V : 16W 48V : 32W
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
Accoustic Noise(db)	<45dB
Dimension (L*W*H)mm	465*310*135MM
Dimension (L*W*H)mm	530*386*200MM
Weight(kg)	18.82kg