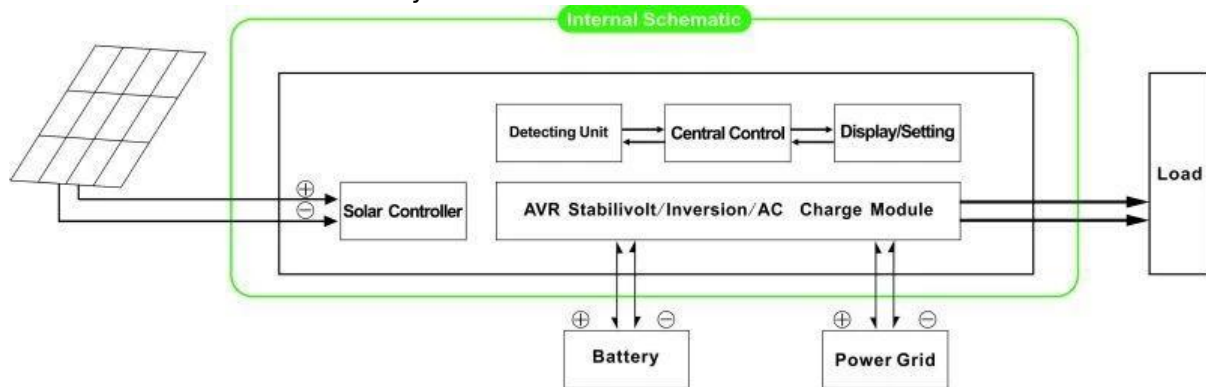


Introduction

This series of product is a module design of inverter and built-in MPPT controller, which has the advantages of high conversion efficiency, low power consumption and strong load-carrying ability. With intelligent control, customers can set charging mode, (Utility as complementary power) AC first mode or DC first mode, timed inversion mode and timed utility mode, timed on/off sleep mode. This is the currently the most advanced inverter & controller hybrid in the world.



Feature

1. Easy to install. To configure a solar system, customers only need to connect it with solar panels and batteries
2. CPU management ,intelligent control,modular design, User-friendly LCD display
3. Built-in MPPT controller, high charging efficiency
4. Low power consumption, high conversion efficiency
5. Intellectual,multi-function, convenient for customers with different using environment to fully use the solar energy
6. External battery connection, convenient to expand back-up power time
7. Strong load-carrying ability, low failure rate, easy maintenance and long service life
8. Perfect protection: low voltage protection, over voltage protection, overheat protection, short-circuit protection, overloads protection
9. CE / EMC / LVD/ RoHS Approvals
10. Two years warranty, life-long technical supports

Parameter

Model		2000W
Rated Output Power		2000W
Peak Power		4000W
Battery (Lead-acid battery)		24V/48V(optional)
Charging Parameter		
Charge Mode setting		PV charge
		PV charge + utility charge
MPPT Solar Controller	Voltage	24V/48V
	Current	30A
	Max PV Input Voltage	100V
	PV Charge Efficiency	95%~99%
	Max PV Input Power	24V: 852W 48V: 1704W
Utility	AC Charge Current	0~15A
	Charge Mode	3-Stage Charging
Inversion parameter		

AC Output	Voltage	220V±3% or 230V±3 or 240V±3% or 100V±3% or 110V±3% □optional□
	Frequency	50Hz±0.5 or 60Hz±0.5 □optional□
Output wave type		Pure sine wave output, waveform distortion rate≤3
Overload ability		□120% 1 min, □130% 10s
Power Consumption (under normal working mode)	24V: 0.7A	
	48V: 0.45A	
Power Consumption (under sleep mode)		1-6W
Inverter Conversion Efficiency		85%~92%
Utility Mode		
AC Input	Voltage	220V±35% or 110V+35%□optional□
	Frequency	The same as utility
AC Output	Voltage	220V±5% or 110V+5%□optional□
	Frequency	The same as utility
Overload Ability		□120% 1 min□□130% 10s
(AC first or DC first) priority		
UPS Output□setting□		AC first, DC standby
		DC first, AC standby
Switch Time		□5ms □AC to DC / DC to AC□
Power On □setting□		Set by users
		Timed open / close AC output automatically
General Parameter		
Display	Display Mode	LCD+LED
	Display Information	Input voltage, output voltage, output frequency, battery capacity, Load condition, Status Information
Protection		Overload output, short-circuit, high-voltage input, low-voltage input, overheat
Environment	Temperature	-10°C□50°C
	humidity	10%□90%
	Altitude	≤4000m
Size W×D×H(mm)		438*208*413
Packing Size W×D×H(mm)		520*310*460
Net Weight (kg)		19
Gross Weight (kg)		20

product picture





Team and exhibition

