



Cloverfour Renewable Energy Solutions

Single Phase Home Inverters



PV1100 series Modified sine wave high frequency PWM HOME SOLAR SYSTEM

Brief description:

Solar PV inverter is an electronic system that operates the photovoltaic(PV) modules in a manner that allows the modules to produce all the power they are capable of. The solar mate charge controller is a microprocessor-based system designed to implement the MPPT. It can increase charge current up to 30% or more compared to traditional charge controllers.

The main feature as the following:

- *modified sinewave AC output, wide application range
- *charge current 15A/20A adjustable, for model 660W/800W
- *inbuilt with 39A PWM solar charge controller
- *three-steps intelligent charging control
- *battery reverse protection function
- *battery cable 10AWG 60cm(double line)
- *compact size fit for home use, small solar system



PT Vistana Insinyur Servis Co. reg. no (NPWP): 03.297.743.1-215.000

Komplek Kemakmuran Mas no 10 Bengkong Laut

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<https://www.cloverfour.org/>

Energy Storage Integrated Inverter

MODEL	PV11-1000	PV11-1400	PV11-2400
Default Battery System Voltage	12VDC		24VDC
INVERTER OUTPUT	Rated Power	1000VA/660W	1400VA/800W
	Waveform	Modified Sine-wave	
	Nominal Output Voltage RMS	230V	
	Output Voltage Regulation	+10/-18%	
	Output Frequency	50Hz/60Hz +/-1 Hz	
	Inverter Efficiency(Peak)	>80%	
	Line Mode Efficiency	>95%	
	Typical Transfer Time	Typical 15~20ms 40ms max	
AC INPUT	Voltage	230VAC	
	Selectable Voltage Range	Narrow	170~280VAC
		Wide	90~280VAC
Frequency Range	50HZ/60HZ (Auto sensing)		
BATTERY	Nominal Input Voltage	12VDC	24VDC
	Minimum Start Voltage	10.5VDC	21.0VDC
	Low Battery Alarm	10.5VDC+/-0.4V	21.0VDC+/-0.8V
	Low Battery Cutoff	10.0VDC+/-0.4V	20.0VDC+/-0.8V
	High Voltage Cutoff	15.0VDC+/-0.4V	30.0VDC+/-0.8V
AC CHARGER	Charger Voltage (Vbat<12.5V)	14.4VDC+/-0.2V	28.8VDC+/-0.4V
	Charger Voltage (Vbat<12.5V)	13.7VDC+/-0.2V	27.4VDC+/-0.4V
	Charging Current	15A/20A±2A	10A±2A
BYPASS & PROTECTION	Nominal Input Frequency	50Hz or 60Hz	
	Overload Protection (SMPS Load)	FUSE	
	Output Short Circuit Protection	FUSE	
	Bypass Breaker Rating	10A	
	Max Bypass Current	10Amp	
SOLAR CHARGER	Maximum PV Charge Current	30A	
	DC Voltage	12V/24V auto select	

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	Maximum PV Array Power	450W*1/220W*2 solar panels	320W*2 solar panels
	MPPT Range @ Operating Voltage	16~55VDC	
	Maximum PV Array Open Circuit Voltage	55VDC	
	Maximum Efficiency	>95%	
	Standby Power Consumption	<2W	
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D)	268*260*90mm	
	Net Weight (kg)	3.5	
OTHER	Operation Temperature Range	0°C to 50°C	
	Audible Noise	50dB MAX	
	Display	LED+LCD	
	Standard Warranty	1 year	

Every hose is suitable for Solar.



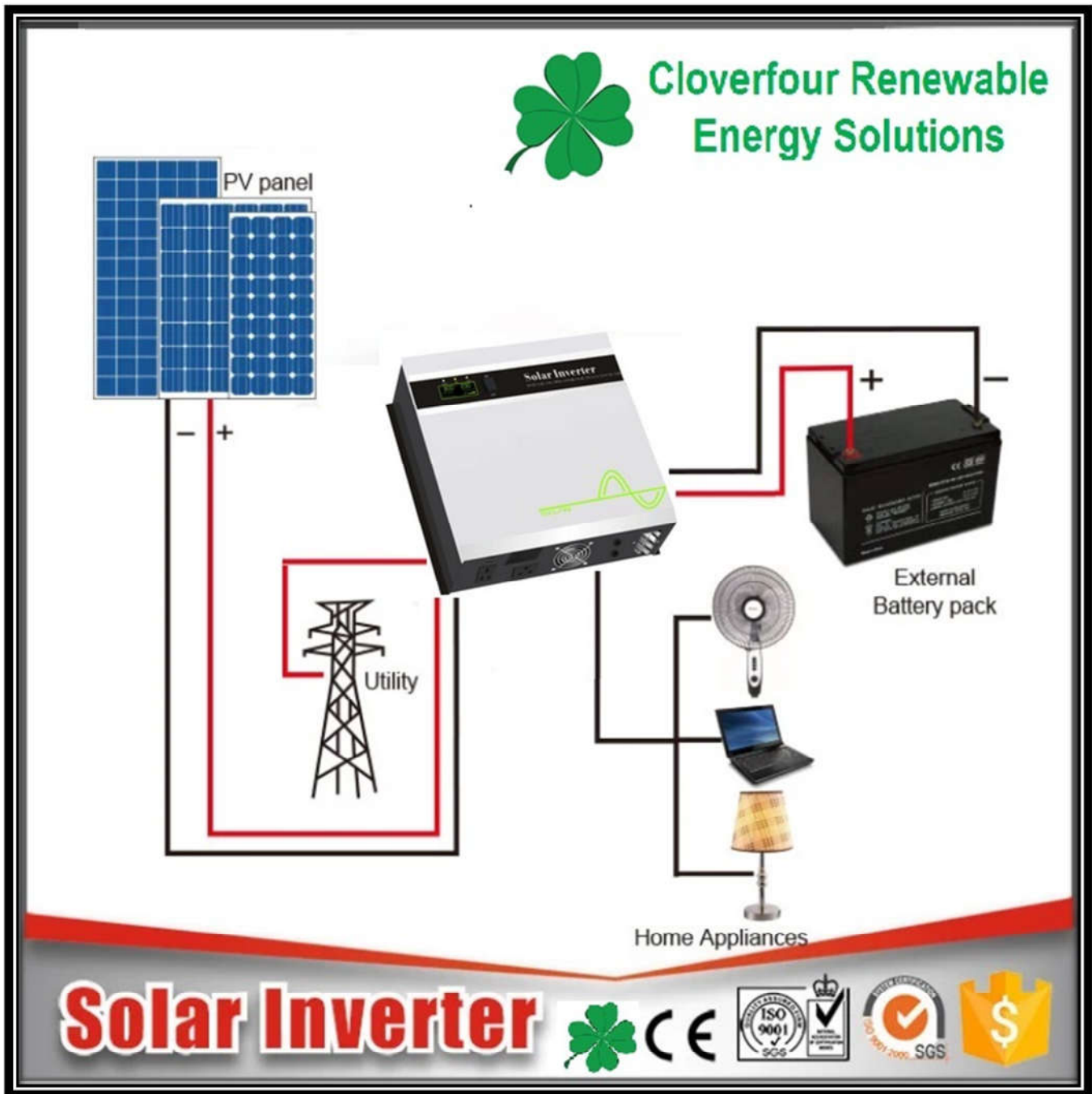
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System overview.



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