

Hybrid inverter charger built in PWM solar inverter

HES PS solar inverter charger is an all-in-one package. It allows users to supply consumers with 230 V AC power, charges the battery with an integrated PWM charge controller, and at the same time permits connection to a generator or an available electricity grid.



Features

- Auto line-to-battery switchover
- Configurable Input Voltage via LCD
- High Efficient DC-to-AC conversion
- Rack & wall-mounted design
- Built-in enhanced charger
- 3-stage charger control
- Auto restart while AC recovery
- User-friendly LCD+LED
- Parallel 9units max available for PS 5K



Protections

- Low battery alarm,
- low battery shutdown,
- over charger, overload,
- over circuit



Applications

Home / Office / Farm etc



Certifications

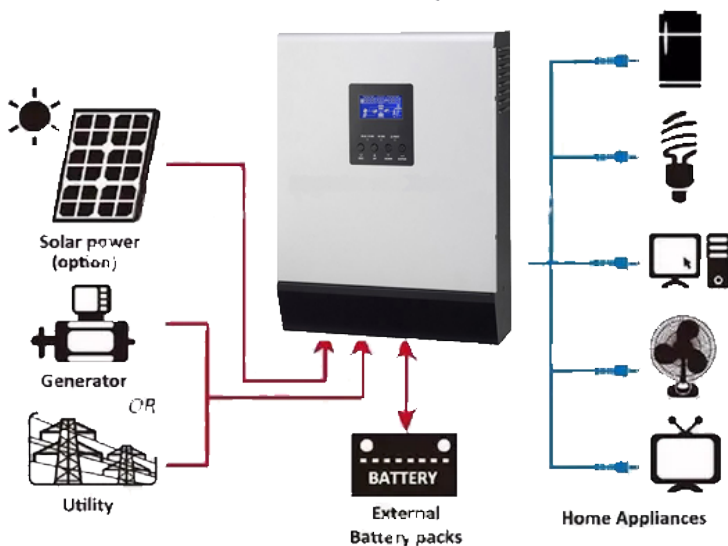
CE ROHS ISO9001



OFF

GRID

TIE



Hybrid Power System



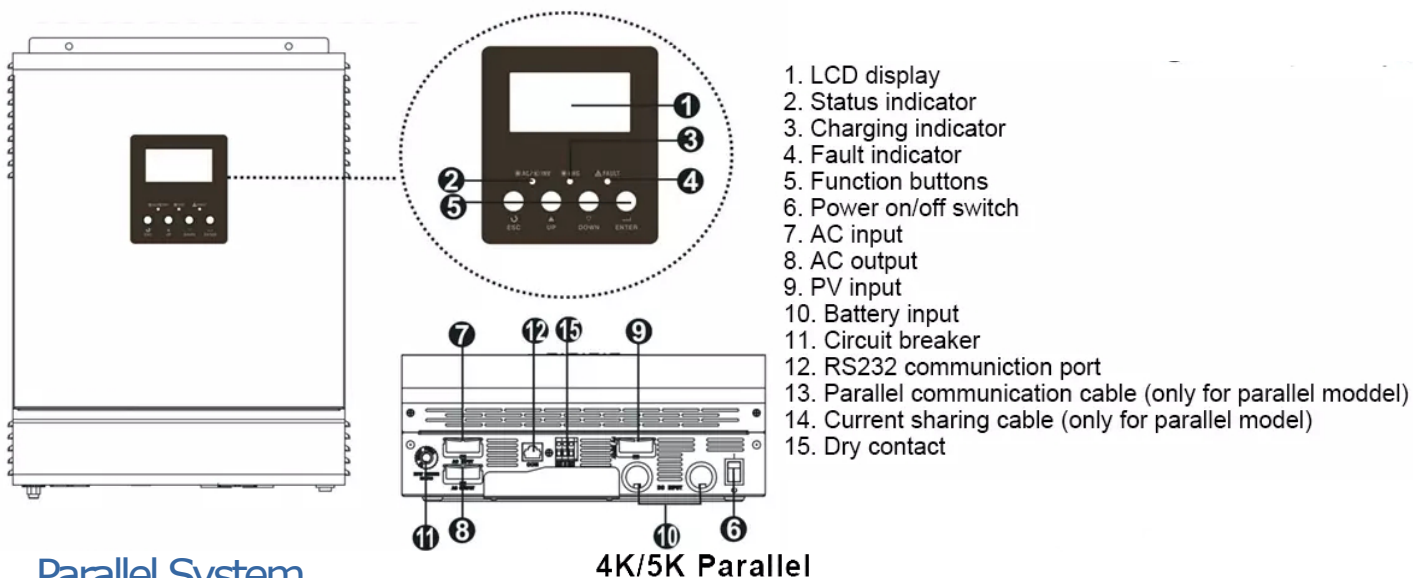
Specification

Model No.		PS 1K	PS 3K	PS 5K
Rated Power		1000VA/800W	3KVA/2400KW	5KVA/4KW
Input	Rated Voltage	230 VAC		
	Voltage selectable range (for Personal Computer)	170~280 VAC		
	Voltage selectable range (for home appliance)	90~280 VAC		
	Frequency range	50Hz/60Hz (Auto sensing)		
Output	AC voltage Regulation (Batt.Mode)	230V AC ± 5%		
	Surge Power	2000VA	6000VA	10KVA
	Efficiency (Peak)	90%	93%	
	Transfer time	10ms (for personal computer)		
		20ms (for home appliance)		
	Wave form	Pure sine wave		
Battery& AC Charger	Battery voltage	12VDC	24VDC	48VDC
	Floating charge Voltage	13.5VDC	27VDC	54VDC
	Overcharge Protection	15VDC	30VDC	60VDC
	Maximum Charge Current	10A or 20A	20A or 30A	10A/20A/30A/40A/50A/60A
PV Input	Charge current	50A		
	MPPT Range @ Operating Voltage (VDC)	40 VDC	80 VDC	105 VDC
	PV Range @ Operating Voltage	15~18VDC	30~32VDC	60~72VDC
	Stand by power consumption	1W	2W	2W
Physical	Dimension, D×W×H (mm)	305×300×110	305×272×100	413×295×120
	Net Weight (Kgs)	5	6.9	9.8
Environmental	Humidity	5%~95% Relative Humidity (Non-condensing)		
	Operation Temperature	0°C~55°C		
	Storage Temperature	-15°C~60°C		

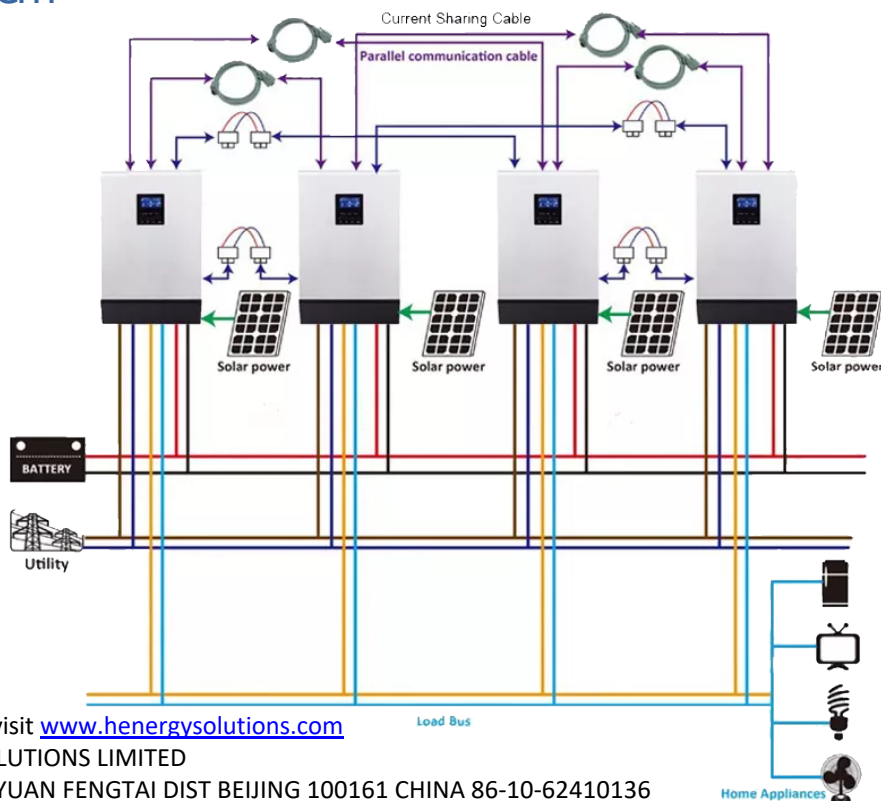
* Typical transfer time for parallel operation is 30ms

* Product specifications are subject to change without further notice

Product introduction



Parallel System Diagram



To find out more visit www.hennergysolutions.com

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All specific cations and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market re-quirements and regulations. A solar power system consists of a controller, inverter and load end. Multiple controllers/inverters are shown to represent the wide range that HES has.