



ECOSHIELD
TO A BETTER FUTURE



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FINLAND HYBRID SOLAR INVERTER

Solar Inverter System

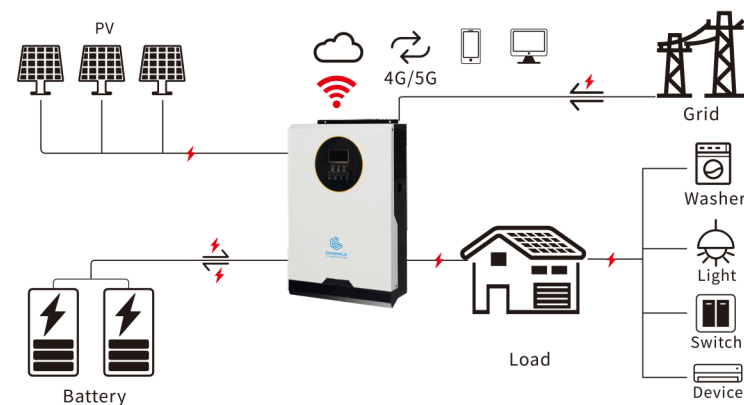


ES-HY1.2KW



Features:

- Grid-tie with backup+Off-Grid
- Built-in MPPT solar charge controller
- High PV input voltage range 60-450V
- Configurable AC/solar priority via LCD settings
- Inverter can operate without battery
- Smart battery charging design optimizes battery life
- WiFi APP monitoring optional
- High efficiency, low no-load loss
- BMS communication port



Home energy storage system

Specification

Model		ES-HY1.2KW
Rated battery voltage		12VDC
Inverter output	Rated power	1200W
	Peak power	2400W
	Waveform	Pure Sine Wave
	AC voltage (Battery mode)	(220vac~240vac)±5% 230vac(Default)
	Inverter efficiency(Max)	93%
	Transfer time	10ms(UPS) 、20ms(APL)
	No load power consumption	<30W@ 12VDC
AC input	Voltage	230VAC
	Selectable voltage range	170~280VAC(UPS) 90~280VAC(APL)
	Frequency range	50Hz / 60Hz (Auto sensing)
Battery	Battery voltage	12VDC
	Floating charging voltage	13.5VDC
	Overcharge protection voltage	14.6VDC
Solar charger & AC charger	Solar charger type	MPPT
	MPPT Max. PV array power	2000W
	MPPT output voltage range	60-400V
	Max.PV array open circuit voltage	450V
	Maximum solar charge current	60A
	Maximum AC charge current	60A
	Maximum charge current	60A
Physical	Dimensions D*W*H(mm)	354*261*99
	Package Size D*W*H(mm)	472*345*180
	Net weight(kg)	5.7
	Gross weight(kg)	6.7
Environment	Humidity	5% to 95% relative humidity (non-condensing)
	Operating temperature	-10°C ~55°C
	Storage temperature	-15°C ~60°C

*Product specifications are subject to change without further notice