



ECOSHIELD
TO A BETTER FUTURE



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FINLAND HYBRID SOLAR INVERTER

Solar Inverter System





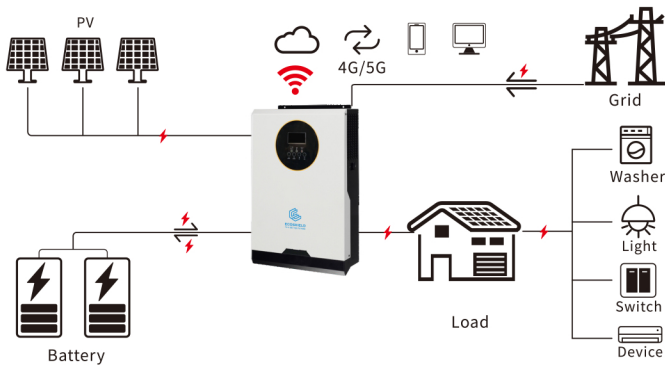
HYBRID SOLAR INVERTER

ES-HY10.2KW



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
- Dual AC output
- Dual MPPT



Home energy storage system



Model		ES-HY10.2KW
Rated battery voltage		48VDC
Inverter output	Rated power	10200W
	Peak power	20400W
	Waveform	Pure Sine Wave
	AC voltage (Battery mode)	(220vac~240vac)±5% 230vac (Default)
	Inverter efficiency(Max)	94%
	Transfer time	10ms(UPS) 、20ms(APL)
	No load power consumption	<75W@48VDC
AC input	Voltage	230VAC
	Selectable voltage range	170~280VAC(UPS) 90~280VAC(APL)
	Frequency range	50Hz / 60Hz (Auto sensing)
Battery	Battery voltage	48VDC
	Floating charging voltage	54VDC
	Overcharge protection voltage	58.4VDC
Solar charger & AC charger	Solar charger type	MPPT
	MPPT Max. PV array power	5500W*2
	MPPT output voltage range	60-450V
	Max.PV array open circuit voltage	500V
	Maximum solar charge current	150A
	Maximum AC charge current	120A
	Maximum charge current	150A
Physical	Dimensions D*W*H(mm)	500*309*138
	Package Size D*W*H(mm)	620*492*263
	Net weight(kg)	18
	Gross weight(kg)	19
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