



ECOSHIELD
TO A BETTER FUTURE



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FINLAND HYBRID SOLAR INVERTER

Solar Inverter System





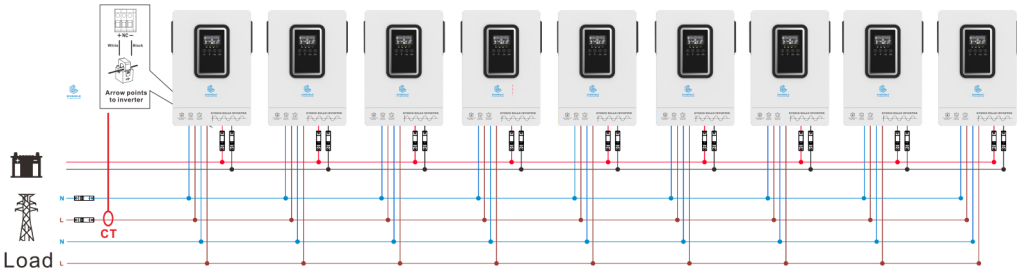
HYBRID SOLAR INVERTER

ES-HY6.2KW Pro



Features:

- Grid-tie with backup+Off-Grid
- Reliable quality, economical design
- Configurable AC/solar priority via LCD settings
- Built-in 80A MPPT solar charge controller
- High PV input range 120-450Vdc
- Smart battery charging design optimizes battery life
- WiFi remote monitoring optional
- Dual AC output
- Max.9 units in parallel connection



Max.9 units in parallel



Model		ES-HY6.2KW Pro
Rated Power		6200VA/6200W
Phase		Single Phase
Input	Input Format	L+N+PE
	Nominal Voltage	220Vac/230Vac
	Selectable Voltage Range	90~280Vac±3V(Normal mode) / 170~280Vac±3V(UPS mode)
	Frequency Range	40~70Hz±0.1%
Output	AC Voltage (Battery mode)	208Vac / 220Vac / 230Vac / 240Vac±5%
	Transfer Time	10ms, 20ms(Typical)
	Wave Form	Pure Sine Wave
	Frequency Range	50/60Hz±0.1%
	Peak Efficiency	94%
	No-load power consumption	<60W
Battery	Battery Voltage	48.0VDC
	Floating Charging Voltage	54.0VDC
	Over Charge Protection	60.4VDC
Solar charger & AC charger	Solar Charger Type	MPPT
	Max.Solar Input Current	18A
	Max.PV Array Power	6000W
	Max.PV Array Open Circuit Voltage	500V
	PV Array Open Circuit Voltage	120-450V
	Charge Current	2-80A(Adjustable)
	Max.Solar Charge Current	80A
	Max.AC Charge Current	80A
Physical	Dimensions D*W*H(mm)	464*314*115mm
	Package Size D*W*H(mm)	530*413*208mm
	Net Weight(kg)	9.6
	Communication Interface	COMM TYPE-B DRY CONTACT BMS
Environment	Humidity	20%~95%
	Operating Temperature	-10°C ~55°C
	Storage Temperature	-15~60°C

*Product specifications are subject to change without further notice