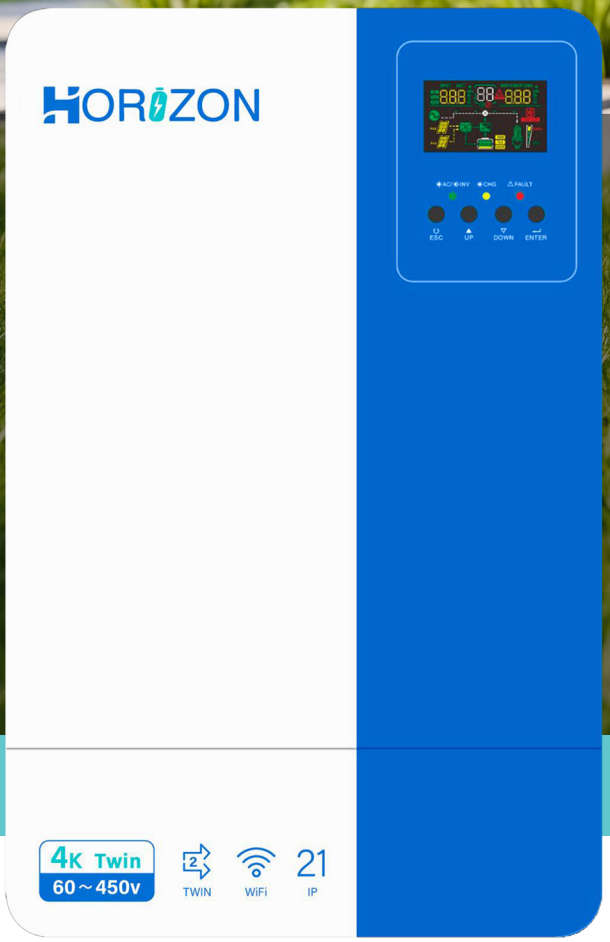
HORIZON ESS

ES Uniq Series

Hi series

High frequency inverter



- Accept extra high PV input current and power
- Optional Dual output
- Output power factor PF=1
- lithium battery activation start function with ac and solar mode
- Parallel function to expansion power
- Higher solar charging efficiency and battery protection
- Pure sine wave output adaptable to different loads
- 500V high PV input
- Optional WIFI function
- Working with or without battery

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Hi series High frequency inverter data sheet		
Model		Hi4000W24
Input	Phase	L+N+PE
	Nominal Voltage	208/220/230/240 VAC
	Voltage Range	154-264 VAC±3V（Normal Mode）185-264 VAC±3V（UPS Mode）
	Frequency Range	50Hz/60Hz(Adaptive)
Output	Rated Power	4000 W
	Output Voltage(AC)	208/220/230/240 VAC ±5%
	On / Off grid	Optional
	Output Frequency	50/60 Hz ±0.1%
	Dual Output	Optional
	Waveform	Pure sine wave
	Transfer Time(Optional)	10 ms for computer , 20 ms for home appliances
	Peak power	8000 VA
	Overload	Battery Mode： 11s@105%~150% Load; 2s@150%~200% Load; 400ms@>200%
	Peak efficiency (battery mode)	>94%
Grid feed	Output Voltage(AC)	220/230/240VAC
	Grid voltage	170-265VAC
	Grid frequency	49-51±1Hz/59-61±1Hz
	Output Current	17.4A
	Power factor	>0.99
	Transfer efficiency(DC/AC)	98%
Battery	Rated voltage	24Vdc
	Constant voltage charging voltage (Optional)	28.2Vdc
	Floating charge voltage (Optional)	27Vdc
charger	PV charging method	MPPT
	PV Input current	27A
	PV max input power	6500W
	MPPT tracking range	60~500Vdc
	Max PV input voltage	500Vdc
	Max PV charging current	120A
	Max AC charging current	100A
	Max charging current	120A
Display	LCD display	Operating mode/load/input/output, etc
Communication port	RS232	5PIN/Pitch2.0mm, baud rate 2400
	Expansion & configuration port	2×5PIN/Pitch2.54mm, lithium battery BMS communication card
	BMS protocol	Pylon tech, Pace, Voltronic, Growatt, Deye, Leoch, Sofar, Goodwe
	Parallel interface	No
Environmental parameters	Operating environment temperature	'-10~55℃
	noise	≤50db