

# Solar high frequency inverter

Series 3000W-5000W



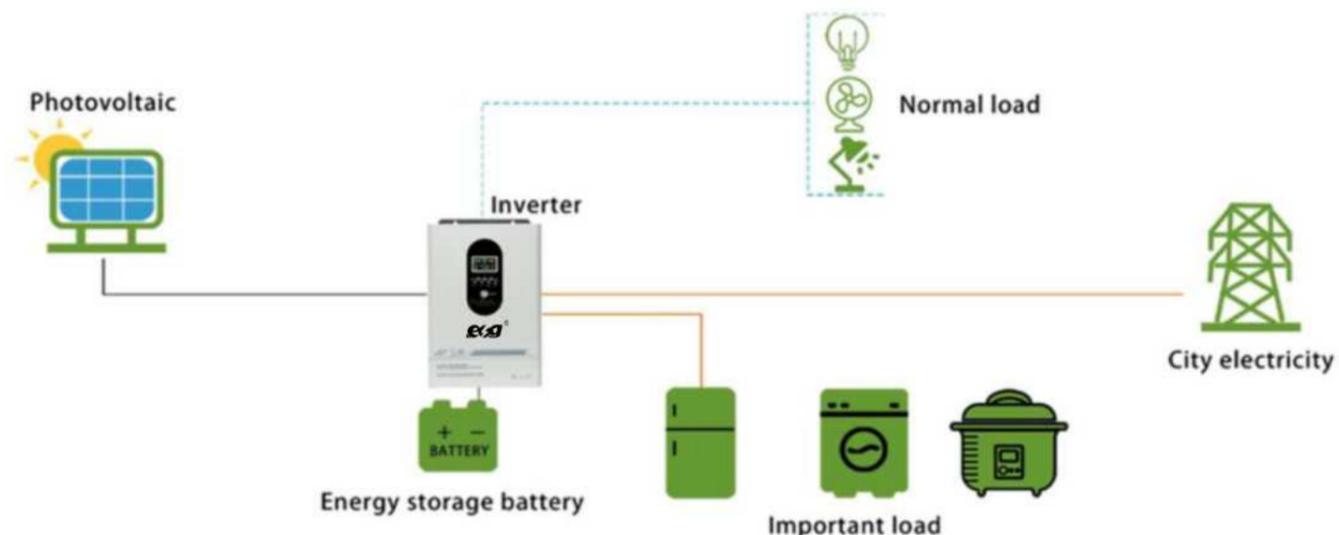
## Product features

1. Pure sine wave ac output, complementary to the mains, automatic cutting, mains charging;
2. Utility mode/Eco mode/Battery mode optional (Flexible application);
3. Charging type/Battery type /Lithium Battery optional (Convenient utility)
4. Smart Fan Control (Safe reliable);
5. LCD real-time display the parameters of the equipment (Running status be clear at glance);
6. Output overload/Short circuit protection/Over-temperature
7. Can choose single inverter/photovoltaic inverter control machine;
8. Battery level protection, battery voltage automatic back to normal after the voltage output, truly unattended function.

## Inverter applications

1. Independent household type household photovoltaic power generation systems, wind power generation system, wind-light complementary system, UPS power supply system.
2. Communication base station system, highway intelligent monitoring system.
3. Outdoor advertising, government demonstration project, landscape lighting engineering.
4. Island fishing boat, remote mountainous areas, border posts and other photovoltaic power generation systems.

## Solar System Connection



# Technical Specifications:

Rated capacity	3.5KW	5.5KW
Model	VMH3.5K-24V	VMH5.5K-48
Input	L+N+PE	
Input standard	208/220/230/240VAC	
Rated input voltage	208/220/230/240VAC	
Voltage range	154-264VAC±3V (APL mode) 185-264VAC±3V (UPS mode)	
Frequency range	50Hz/60Hz (self-adaptation)	
Output	L+N+PE	
Output standard	208/220/230/240VAC+5%	
Output voltage	50/60Hz+0.1%	
Output frequency	Pure sine wave	
Wave form	Computer equipment 10ms, household appliances 10ms	
Switching time	6000VA	
Peak power	10000VA	
Overload capacity	Battery mode: 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load	
Peak efficiency	>94%	
battery		
Rated voltage	24VDC	48VDC
Constant voltage charge voltage (optional)	28.52VDC	56.4VDC
Floating charging voltage (optional)	27VDC	54VDC
recharger		
PV charging mode	MPPT	
PV Maximum input power	4000W	5500W
MPPT tracking range	150~450VDC	
Maximum PV input voltage	500VDC	
Maximum PV charging current	80A-100A	80A-100A
reveal		
LCD interface	2x8PIN/Pitch2.54mm, support 128-bit segment code, can support up to 4 keys +4 leds, can display operating mode/load/input/output, etc	
port		
RS232	5PIN/Pitch2.0mm, Baud rate 2400	
Expansion slot communication interface	2x5PIN/Pitch2.54mm, battery BMS communication card, WIFI card, dry contact card, etc	
Parallel interface	No parallel function	It has parallel function
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Environmental parameter		
Operating ambient temperature	0~40° C	
Operating environment humidity	20%~95% (no condensation)	
Storage temperature	-15~60° C	
altitude	The altitude should not exceed 1000m, and the derating above 1000m is maximum 4000m	
noise	≤50db	
Physical parameter		
Product size (CM)	310*123*483	