

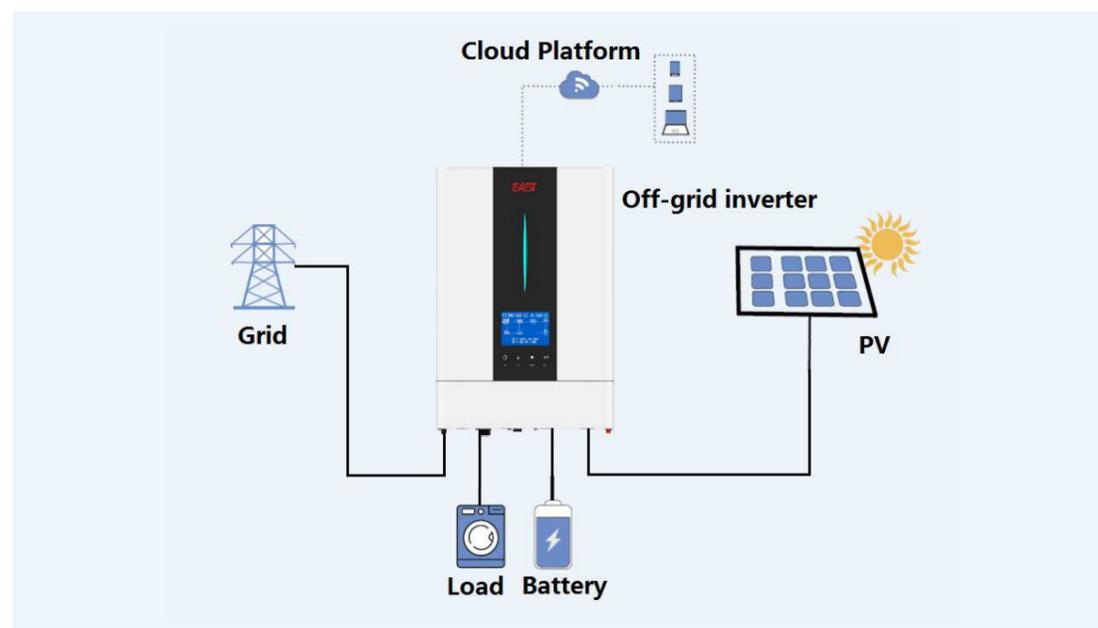
OFF-GRID INVERTER EAGF 3-5kW



Features

- Elegant appearance, wall-mounted design, simplified installation
- Pure sine wave output, output power factor 1.0
- Intelligent battery charger design, optimizable battery performance, with high efficiency charging/discharging technology
- High PV input range of 120V-500Vdc
- Configurable AC grid/battery input priority
- Battery-free operation available, loads are powered directly by solar and AC grid
- Graphical LCD and keypad design, user-friendly operation interface
- Real time remote monitoring system via WiFi module, easy operation and maintenance
- Excellent output performance, suitable for all kinds of non-linear loads
- Up to 6 units can be operated in parallel

System Principle Diagram



MODEL	EAGF-3kW-H	EAGF-5kW-H
Rated power	3000 VA / 3000 W	5000 VA / 5000 W
AC INPUT		
Rated input voltage	230 VAC	
Input voltage range	170~280 VAC PC, 90~280 VAC home application	
Rated input frequency	50 / 60 Hz self-adapting	
Input frequency range	40~65 Hz	
Rated input current	20 A	32 A
Max. input current	30 A	40 A
AC OUTPUT		
Rated AC output voltage	230 VAC ±3% battery mode	
Output settable voltage	220 V / 230 V (default) / 240 V	
Output settable frequency	50 Hz (default) / 60 Hz	
Rated AC output current	13.5 A	22 A
Overload capacity	10s @ 110%~150% rated load; 5 s @ ≥150% rated load; 100 ms @ ≥200% rated load	
THDU	< 5%, linear load; < 10%, non-linear load	
Inverter efficiency (peak value)	93% (PV mode / battery mode)	
Surge power	6000 VA, 5 cycles	10000 VA, 5 cycles
Switching time	10 ms PC, 20 ms home application	
No-load loss	<80W (PV mode / battery mode)	
DC output voltage	None	
Battery		
Battery type	Lead-acid battery / lithium battery	
Rated voltage	24 VDC	48 VDC
Charging voltage	27 VDC (default), 24~30 VDC settable	54 VDC (default), 48~60 VDC settable
Overcharge protection voltage	33 VDC	64 VDC
Rated discharge current	134.5 A	115 A
PV / AC CHARGING		
PV charging	MPPT	
Max. PV plate power	4000 W	6000 W
Max. PV plate open circuit voltage	500 VDC	
MPPT operation range voltage	120~450 VDC	
PV input start-up voltage	80 V	
Rated PV input voltage	240 VDC	
Max. PV input current	18 A	27 A
Max. PV charging current	100 A	
Max. AC charging current	100 A	
Max. battery charging current	100 A	
OTHERS		
Protections	Input over / under voltage protection, input over / under frequency protection, output overload, output short-circuit, radiator overtemperature protection, fan fault detection etc.	
Communication interfaces	USB / RS232 / RS485, dry contact, WiFi (optional)	
Parallel number	6 units	
Operating environment	-10°C~50°C	
IP rating	IP21	
Dimension (D x W x H) (mm)	122 x 322 x 471	122 x 322 x 471
Weight (Kg)	11	12