



Off-Grid Inverter


MEGF-3KW-H/MEGF-5KW-H


MAXMA

مکسما

 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



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~450Vdc



Configurable AC grid/battery input priority

Inverter Specification

MODEL	MEGF-3KW-H	MEGF-5KW-H
Rated power	3000VA/3000W	5000VA/5000W
AC input		
Rated input voltage	230VAC	230VAC
Input voltage range	170-280VAC PC 90-280VAC home application	170-280VAC PC 90-280VAC home application
Rated input frequency	50/60Hz self-adapting	50/60Hz self-adapting
Input frequency range	40-65Hz	40-65Hz
Rated input current	20A	32A
Max. input current	30A	40A
AC output		
Rated AC output voltage	230VAC±5%	230VAC±5%
Output settable voltage	220V/230V/240V	220V/230V/240V
Output settable frequency	50Hz/60Hz	
Rated AC output current	13.05A	21.70A
Overload capacity	10s@110%-150% rated load; 5s@≥150% rated load; 100ms@≥200% rated load	
THDU	<5%, linear load; <10%, non-linear load	
Efficiency(peak value)	93%	
Surge power	6000VA, 5 cycles	10000VA, 5 cycles
Switching time	20ms home application	10ms
Battery		
Battery type	Lead-acid battery/lithium battery	
Rated voltage	24VDC	48VDC
Charging voltage	27VDC(default), 24-29.2VDC settable	54VDC(default), 48-58.4VDC settable
Overcharge protection voltage	30.2VDC	60.5VDC
Rated discharge current	142A	113.7A
PV/AC charging		
PV charging	MPPT	
Max. PV plate power	4000W	6000W
Max. PV plate open circuit voltage	450VDC	
MPPT operation range voltage	120-430VDC	
Max. PV input current	18A	27A
Max. PV charging current	100A	
Max. AC charging current	100A	
Max. battery charging current	100A	
Others		
Dimension(WxDxH)(mm)	322x122x471	342x122x471
Net weight(kg)	10	11
Operating environment	-10°C~50°C	
IP rating	IP20	
Protections	Input over/under voltage protection, input over/under frequency protection, output overload, output short-circuit, radiator over-temperature protection, fan fault detection etc.	
Communication interfaces	USB/RS232/RS485, dry contact, WiFi(optional)	