

# Off-Grid Inverter

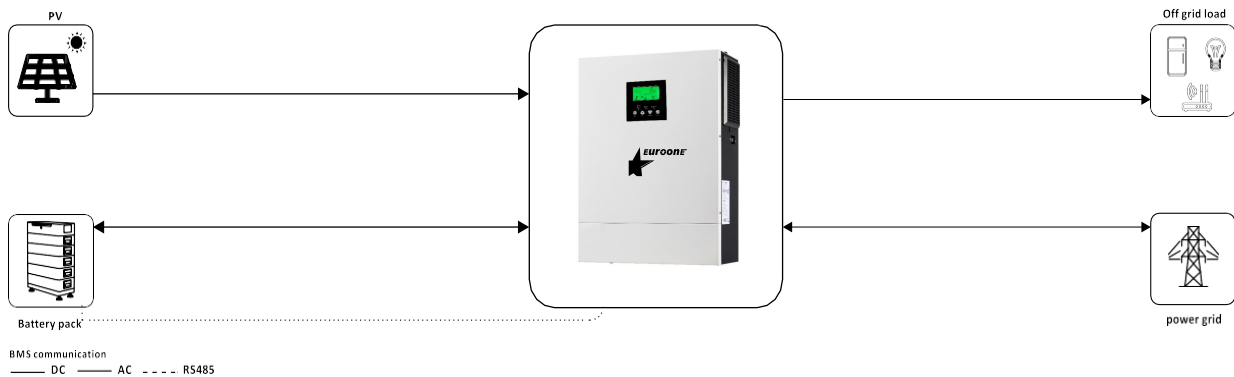
## MKS-LW8K-VMB

### Features

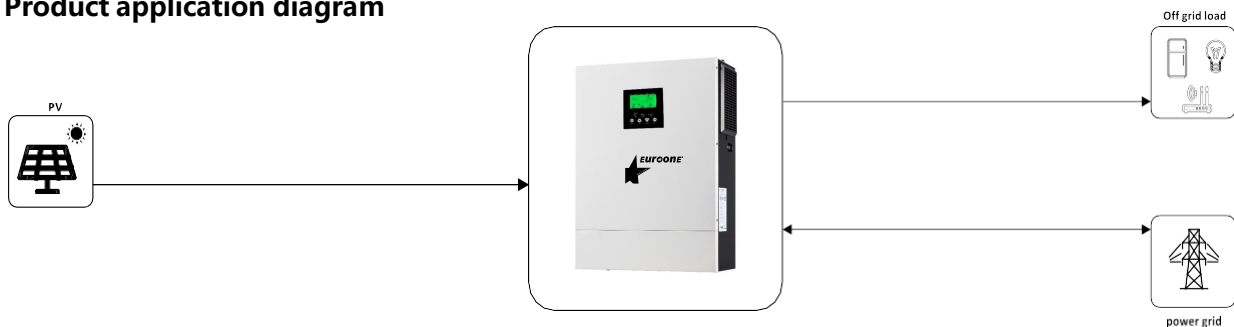
- Wide PV input range: 1.5K/3K/4.2K models start from 30VDC, and 6.2K-12K models start from 90VDC.
- Built-in communication port for BMS
- Built-in WiFi with APP for remote monitoring and OTA firmware upgrade
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit
- Dual AC outputs for smart load management(only for 4.2K-12K models)



### Product application diagram



### Product application diagram





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## MKS VMB SERIES

MODEL	MKS-LW8K-VMB
Rated Power	8000VA/8000W
<b>INPUT</b>	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Output Power	8000W
AC Output No.	Dual Outputs
Surge Power	16000VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
<b>BATTERY</b>	
Battery Voltage	48VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	12000W
Maximum PV Input Current	22 A*2
MPP Range @ Operating Voltage	90 ~ 450 VDC(Min. 100VDC without battery connected)
Maximum Solar Charge Current	150 A
Maximum AC Charge Current	120A
Maximum Charge Current	150A
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	141x 322 x 497
Net Weight (kgs)	14.3
Communication Interface	RS232,RS485; Optional: WiFi
<b>ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

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