

# Gennex MKS Plus Off-Grid Inverter



[Gennex MKS Plus Off-Grid Inverter](#)

- Pure sine wave inverter
- Output power factor 1
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible with mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

## Gennex MKS Plus Off-Grid Inverter Selection Guide

| MODEL                                 | Gennex MKS 2K-24 Plus  | Gennex MKS 2K-48 Plus     | Gennex MKS 3K-24 Plus     | Gennex MKS 3K-48 Plus     |
|---------------------------------------|--|---------------------------|---------------------------|---------------------------|
| Rated Power                           | 2000VA/2000W   | 2000VA/2000W              | 3000VA/3000W              | 3000VA/3000W              |
| <b>INPUT</b>                          |  |                           |                           |                           |
| Voltage                               | 230 VAC  |                           |                           |                           |
| Selectable Voltage Range              | 170-280 VAC (For Personal Computers)<br>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%  |                           |                           |                           |
| Surge Power                           | 4000VA   |                           | 6000VA                    |                           |
| Efficiency (Peak)                     | 90% - 93%  |                           |                           |                           |
| Transfer Time                         | 10 ms (For Personal Computers)<br>20 ms (For Home Appliances)            |                           |                           |                           |
| Waveform                              | Pure sine wave   |                           |                           |                           |
| <b>BATTERY</b>                        |  |                           |                           |                           |
| Battery Voltage                       | 24 VDC   | 48 VDC                    | 24 VDC                    | 48 VDC                    |
| Floating Charge Voltage               | 27 VDC   | 54 VDC                    | 27 VDC                    | 54 VDC                    |
| Overcharge Protection                 | 31 VDC   | 62 VDC                    | 31 VDC                    | 62 VDC                    |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |  |                           |                           |                           |
| Maximum PV Array Power                | 1500 W   | 3000 W                    | 1500 W                    | 3000 W                    |
| MPPT Range @ Operating Voltage        | 60~ 115 VDC  | 60 ~ 115 VDC              | 60~ 115 VDC               | 60 ~ 115 VDC              |
| Maximum PV Array Open Circuit Voltage | 145 VDC  |                           |                           |                           |
| Maximum Solar Charge Current          | 60A  |                           |                           |                           |
| Maximum AC Charge Current             | 20 A or 30 A (Selectable)  | 10 A or 15 A (Selectable) | 20 A or 30 A (Selectable) | 10 A or 15 A (Selectable) |
| Maximum Charge Current                | 90 A   | 75 A                      | 90 A                      | 75 A                      |
| Maximum Efficiency                    | 98%  |                           |                           |                           |
| Standby Power Consumption             | 2 W  |                           |                           |                           |
| <b>PHYSICAL</b>                       |  |                           |                           |                           |
| Dimension, D x W x H (mm)             | 140 x 295 x 479  |                           |                           |                           |
| Net Weight (kgs)                      | 11.5   |                           |                           |                           |
| <b>ENVIRONMENT</b>                    |  |                           |                           |                           |
| Humidity                              | 5% to 95% Relative Humidity (Non-condensing)                             |                           |                           |                           |
| Operating Temperature                 | 0°C - 55°C   |                           |                           |                           |
| Storage Temperature                   | -15°C - 60°C   |                           |                           |                           |

Product specifications are subject to change without further notice.