

Gennex 5kVA/48V/4000W MPPT Hybrid Inverter



- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Inverter running without battery
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle.
- Built-in anti-dusk kit for harsh environment

Gennex 5kVA/48V/4000W Hybrid Inverter Selection Guide

MODEL	Gennex 5kVA/48V/4000W
Rated Power	5000VA / 5000W
INPUT	
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)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%
Surge Power	10000VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum PV Array Power	4000 W
MPP Range @ Operating Voltage	60 VDC ~ 115 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	60 A
Maximum Charge Current	140 A
PHYSICAL	
Dimension, D x W x H (mm)	120 x 295 x 468
Net Weight (kgs)	13.5
Communication Interface	USB/RS232

ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

PAR-A is without the parallel kit.
PAR-B comes with the parallel kit.