

Gennex 3kVA Hybrid Inverter



- Pure sine wave inverter
- Output power factor 0.8
- 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
- Optional remote panel available

Gennex 3kVA Hybrid Inverter Selection Guide

MODEL	Gennex 3kVA/24V/600W	Gennex 3kVA/24V/1500W	Gennex 3kVA/48V/3000W
Rated Power	3000VA/2400W	3000VA/2400W	3000VA/2400W
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	6000VA		
Efficiency (Peak)	93%	90% - 93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	24 VDC		48 VDC
Floating Charge Voltage	27 VDC		54 VDC
Overcharge Protection	31 VDC		62 VDC
SOLAR CHARGER & AC CHARGER			
Maximum PV Array Power	600W	1500 W	3000 W
MPPT Range @ Operating Voltage	30 ~ 66 VDC	60 ~ 115 VDC	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	75 VDC	145 VDC	
Maximum Solar Charge Current	25A	60A	
Maximum AC Charge Current	30A	20 A or 30 A (Selectable)	10 A or 15 A (Selectable)
Maximum Charge Current	55A	90 A	75 A
Maximum Efficiency		98%	
Standby Power Consumption		2 W	
PHYSICAL			
Dimension, D x W x H (mm)	100 x 272 x 355	140 x 295 x 479	
Net Weight (kgs)	7.4	11.5	
ENVIRONMENT			
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.