

# InverMax

## 3KVA / 5KVA

### **The Best High Efficiency**

### **Power Inverter**

### **— PURE SINEWAVE**

*InverMax 3KVA/5KVA Inverter can feed almost all kinds of appliances from home to office environment, including motor characteristic appliances like tube light, fan, refrigerator and Air conditioner.*

### **KEY FEATURES:**

- High-frequency switching technology for compact size and light weight
- Pure sine wave output
- High efficient DC-to-AC conversion minimizing energy loss
- High efficiency PFC charger supporting up to 200AH battery
- Low power "Power Saving Mode" to conserve energy for less than 10W
- Input/output isolated design for the maximum operation safety
- Intelligent cooling fan control determined by loads
- Comprehensive LCD display, and user-friendly panel eases program settings
- Multiple protection for Input low voltage/Overload/Short circuit/Low battery alarm/Input over voltage/Over temperature
- Supporting Home Appliances/Office Equipments/Lighting Equipments/Motor-Based Equipments



Wind



Solar

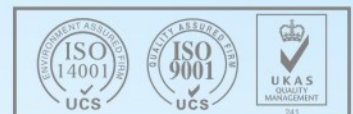


Hydro



generator

**HELIOR**  
INSURE YOUR SYSTEM



Technical Specifications		
MODEL	InverMax 3KVA	InverMax 5KVA
<b>Line Mode Specification</b>		
Input Voltage Waveform	Sinusoidal (utility or generator)	
Rated Output Power	3000VA/2400W	5000VA/4200W
Nominal Input Voltage	230Vac	
Input Voltage Range	170Vac to 280Vac (Normal); 90Vac to 280Vac (generator/Wide range)	
Max AC Input Voltage	300Vac rms	
Nominal Input Frequency	50Hz / 60Hz (Auto detection)	
Output Voltage Waveform	As same as Input Waveform	
Output Short Circuit Protection	Circuit Breaker 30A	Circuit Breaker 40A
Efficiency (Line Mode)	>95%	
Transfer Switch Rating	30A	40A
Transfer Time (AC to DC)	10ms (typical) 20ms (typical)	
Transfer Time (DC to AC)	10ms (typical) 20ms (typical)	
<b>Inverter Mode Specification</b>		
Output Voltage Waveform	Pure Sine Wave	
Power Factor	0.8	0.84
Nominal Output Voltage(V)	230Vac	
Output Frequency(Hz)	50Hz / 60Hz ± 1Hz	
Output Voltage Regulation	±10% rms	
Nominal Efficiency	>90%	
Over-Load Protection	fault after 5s@≥150% load; fault after 10s@110%~150% load	
Surge rating	6000VA	10000VA
Capable of starting electric motor	1.5HP	2.5HP
Output Short Circuit Protection	Current limit (Fault after 4 cycles max)	
Bypass Breaker Size	30A	40A
Nominal DC Input Voltage	24V	48V
Min DC start voltage	20V	40V
Power saver setting	0W (Set "OFF" at LCD); 10±5W enter 5±2w leave (Set "ON" at LCD)	
Tare loss(nominal)	Saver OFF: <50w; Saver ON: <10w	
DC component of AC output	<100mv	
Half wave load detection	Yes	
<b>Charger Mode Specification</b>		
Nominal Input Voltage	230Vac	
Input Voltage Range	180V~ 270Vac(Normal range) ; 100V~ 270Vac(generator/wide range)	
Nominal Output Voltage	According to the battery type	
Nominal Charge Current	10A @Vi/p<170Vac; 20A@Vi/p=230Vac; 10A @Vi/p>280Vac	20A(95-175Vac,gen/wide,only); 35A(175-275Vac)@35A setting; 20A(175-275Vac)@20A setting)
Charger Short Circuit Protection	Unit shutdown automatic	
Over Charge Protection	Bat. V ≥30Vdc, Fault, Buzzer alarm	Bat. V ≥60Vdc, Fault, Buzzer alarm
Charge Algorithm	Boost CC (constant current stage) → Boost CV (constant voltage stage) → Float (constant voltage stage)	
Battery Type Setting	Flooded, AGM/Gel	
<b>General Specification</b>		
Operating Temperature	0℃ to 45℃	
Storage Temperature	-15℃ to 60℃	
Altitude, operational	0 to 1500 Meter	
Audible Noise	<60dB	
Cooling	Forced Air, variable speed fan	
Dimension	268(W)*86mm(H)*330mm(D)	350mm(W)*110mm(H)*407mm(D)
Net Weight	5.1Kg	9Kg

\* Product specifications are subject to change without further notice



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