



General Features

1. **Sine Wave:** Pure sine wave inverter
2. **Charge Controller:** Built-in MPPT solar charge controller
3. **Voltage Range:** Selectable input voltage range for home appliances and personal computers
4. **Charging:** Selectable charging current based on applications
5. **Input:** Configurable AC/Solar input priority via LCD setting
6. **Compatibility:** Compatible to AC mains or generator power
7. **Battery Equalization:** for optimized battery performance and lifecycle
8. **Parallel Operation:** with up to 9 units



INVERTER SPECIFICATIONS	
Model	EGA 5000 MKS
Capacity	5000VA/4000W
Parallel Capability	Up to 9 units
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers): 90-280 VAC (For Home Appliances)
Frequency Range	60Hz or 50Hz (auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%
Surge Power	10000VA
Efficiency (Peak)	93%
Transfer Time	10ms (For Personal Computers) :20ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC Max: 58VDC (optional 64VDC, please check with sales)
Overcharge Protection	60VDC (optional 66VDC, please check with sales)
SOLAR CHARGER	
Maximum PV Array Power	4000W
MPPT Range @ Operating Voltage	60 – 115VDC
Maximum PV Array Open Circuit Voltage	145VDC
Maximum Solar Input Current	50A
Maximum Solar Charge Current	80A



AC CHARGER	
Maximum AC Charge Current	60A
Maximum Charge Current	140A
PHYSICAL	
Dimension, D X W X H (mm)	120 x 295 x 468
Net Weight (kg)	11
ENVIRONMENT	
Humidity	5-95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55 °C
Noise Level	-15 °C to 60 °C