

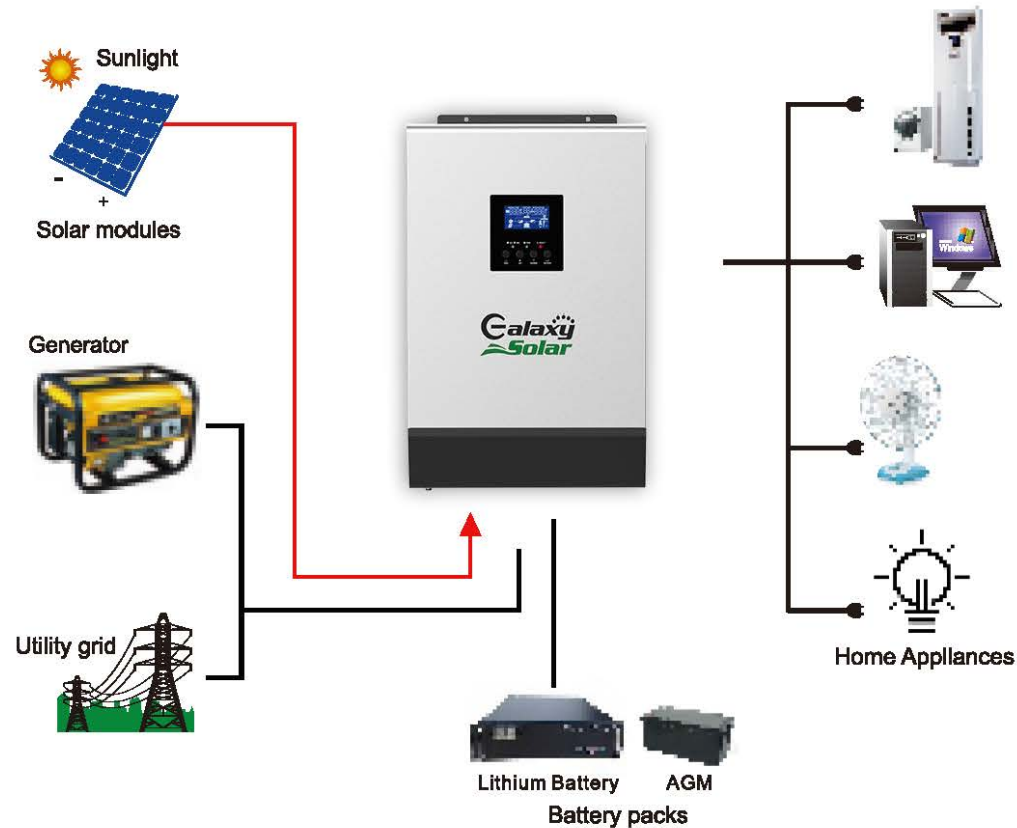
# MGS-(1-3)K



## Features:

- Pure sine wave inverter
- 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 to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Parallel operation with up to 9 units : it is available for MGS-5K

## SOLUTION



Model	MGS -1K	MGS -3K	MGS -5K
Rated Power	1000 VA /800 W	3000 VA /2400 W	5000 VA /4000 W
AC INPUT			
Normal Voltage	230 VAC	230 VAC	230 VAC
AC Voltage range	90-280 VAC	90-280 VAC	90-280 VAC
Max . Charge Current	10A or 20A (Settable)	20A or 30A (Settable)	10A /20A /30A /40A /50A /60A (Settable)
Frequency Range	50 /60Hz (Auto Sensing)	50 /60Hz (Auto Sensing)	50 /60Hz (Auto Sensing)
Battery			
Battery Type	Lithium/Lead-Acid	Lithium/Lead-Acid	Lithium/Lead-Acid
Normal Voltage	25.6V /24V	25.6V /24V	51.2V /48V
Float Charge Voltage	27VDC	27VDC	54VDC
MAX . Charge Voltage	29VDC	29VDC	59VDC
Over Voltage Protection	31VDC	31VDC	60VDC
Solar Charger			
Max . Recommended PV Power	600 W	1500 W	3500 W
MPPT Tracker	1	1	1
Max . PV Operating Voltage	75VDC	145 VDC	145 DC
MPPT Voltage Range	30 ~66VDC	30 ~115 VDC	60 ~115VDC
Max . Solar Charge Current	25A	60A	60A /80 A
Max . MPPT Efficiency	>98%	>98%	>98%
Output Data			
Normal Voltage	230 VAC ±5%	230 VAC ±5%	230 VAC ±5%
Normal Frequency	50 /60Hz	50 /60Hz	50 /60Hz
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Switch Time	10ms	10ms	10ms
Surge Power	2000 VA	6000 VA	10000 VA
Parallel Capacity	YES	YES	YES
Interface			
Display	LCD +LED	LCD +LED	LCD +LED
Lithium Battery Communication	NO	NO	NO
RS 232 /USB /Dry Connector	YES	YES	YES
Wifi/GPRS	NO	NO	NO
Warranty	1 Year	1 Year	1 Year
Physical			
Dimensions (W *H *D)	300 *118 *387 mm	300 *118 *387 mm	300 *118 *387 mm
Weight	7.4kg	10kg	11.5 /13.5kg
Protection Degree	IP20	IP20	IP20
Relative Humidity	5% ~ 95% Relative Humidity (non-condensing)	5% ~ 95% Relative Humidity (non-condensing)	5% ~ 95% Relative Humidity (non-condensing)
Operating Temperature	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
Storage Temperature	-15°C ~ 60°C	-15°C ~ 60°C	-15°C ~ 60°C