



**electrahertz**  
electrical suppliers (Pty) Ltd



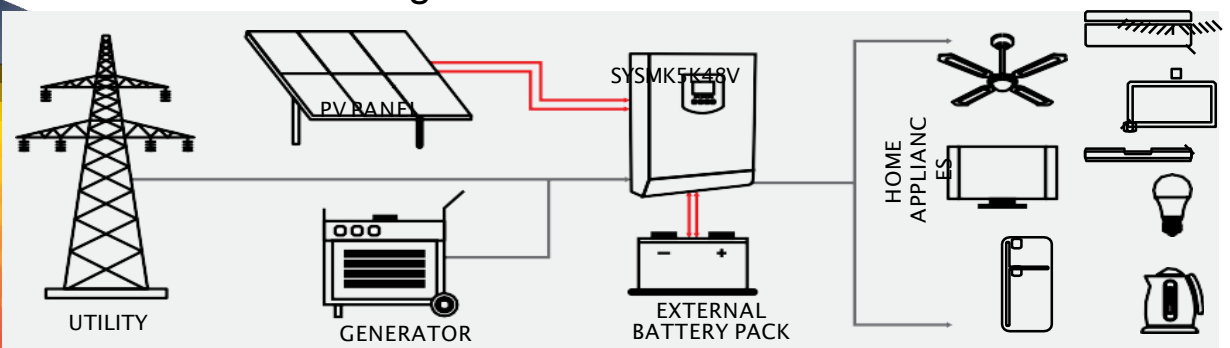
## 5KVA ON/OFF GRID HYBRID SOLAR INVERTER

### FEATURES

- Rated power 5kVA
- Nominal Battery System Voltage 48VDC
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage)
- Built-in MPPT 80A solar charge controller
- New SUB working mode (Solar-Utility-Battery working mode) for 4kVA-5kVA series
- MPPT Efficiency max 98%
- Combining solar system, AC utility, and battery power source to supply continuous power
- Multiple operations: basic Grid-tie, Off-Grid, Grid-Interactive
- Parallel operation with up to 3 units
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function with free CD
- WIFI/GPRS remote monitoring (optional)
- Compatible with generator
- IP20 rating



MODEL.SYSMK5K48V



INVERTER OUTPUT	
Rated Power	5000W
Surge Power	10 000W
AC Voltage Regulation (Batt. Mode)	220VAC/230VAC/ 240VAC ±5%
Electric Current	13A
Output Frequency	50Hz/60Hz Auto Sensing
Inverter Efficiency (Peak)	93%
Transfer Time	10ms(for PC) 20 ms (for other Home Appliances)

AC INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (For PC) 90-280VAC (For Home Appliances) 184-253VAC (VDE4105)
Frequency Range	50Hz/60Hz (Auto sensing)

BATTERY	
Normal Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	60VDC

SOLAR CHARGER & AC CHARGER	
Max. PV Array Open Circuit Voltage	145VDC
PV Array MPPT Voltage Range	64-130VDC
Standby Power Consumption	2W
Rated Power	4000W
Max. Solar Charge Current	80A
Max. Efficiency	>98%
Max. AC Charge Current	60A
Max. Charge Current	140A

MECHANICAL SPECIFICATIONS	
Machine Dimension (W*H*D)	297.5*468*125mm
Packaging Dimensions (W*H*D)	638*395*241mm
Nett Weight (kg)	14
Gross Weight (kg)	16.4

OTHER	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C -55°C
Storage Temperature	-15°C -60°C

Output Protection  
requires 16Amp Circuit Breaker

#### APPROXIMATE BACK-UP TIMETABLE

MODEL	LOAD(W)	BACK UP TIME @48V 100Ah(min)	BACK UP TIME @48V 200Ah(min)
5000W	1000	208	488
	2000	89	205
	3000	50	123
	4000	38	89
	5000	21	72



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