

OFF GRID SOLAR INVERTER

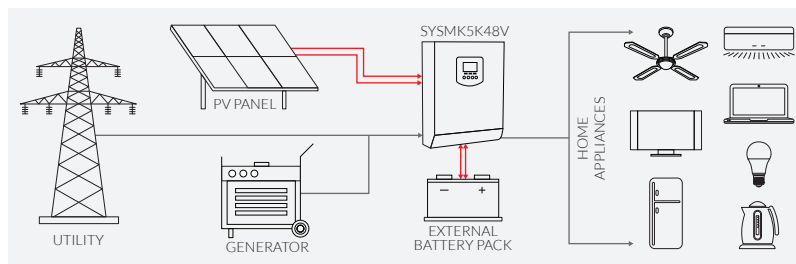
5KVA / 5KW 80 AMP

SYSMK5K48V



FEATURES

- Rated power 5000VA / 5000W
- Rated current 80A
- Nominal battery system voltage 48VDC
- DC input 48VDC, 117A
- AC output 230 VAC, 50/60Hz
- 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 AC mains or generator power
- Battery equalization for optimized battery performance and life-cycle
- Parallel operation with up to 9 units



INVERTER	
Rated Power	5000VA / 5000W
Parallel Capability	9 units

INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (For personal computers) 90-280VAC (For home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)

OUTPUT	
AC Voltage Regulation	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
Overcharge Protection	60VDC

SOLAR CHARGER & AC CHARGER	
Max. PV Array Power	4000W
MPPT range at operating voltage	60VDC ~ 115VDC
Max. PV array open circuit voltage	145VDC
Max. Solar Charge Current	80A
Max. AC Charge Current	60A
Max. Charge Current	140A

MECHANICAL SPECIFICATIONS	
Dimensions (W*H*D)	295*468*120mm
Net Weight (kg)	13.5

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

Typical transfer time for parallel operation is 30ms. Product specifications are subject to change without further notice.