

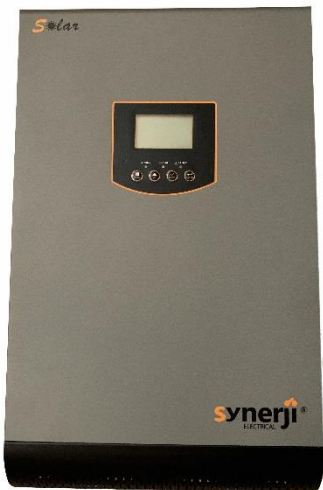


electrahertz
electrical suppliers (Pty) Ltd

5KVA / 5KW 80 AMP OFF GRID SOLAR INVERTER

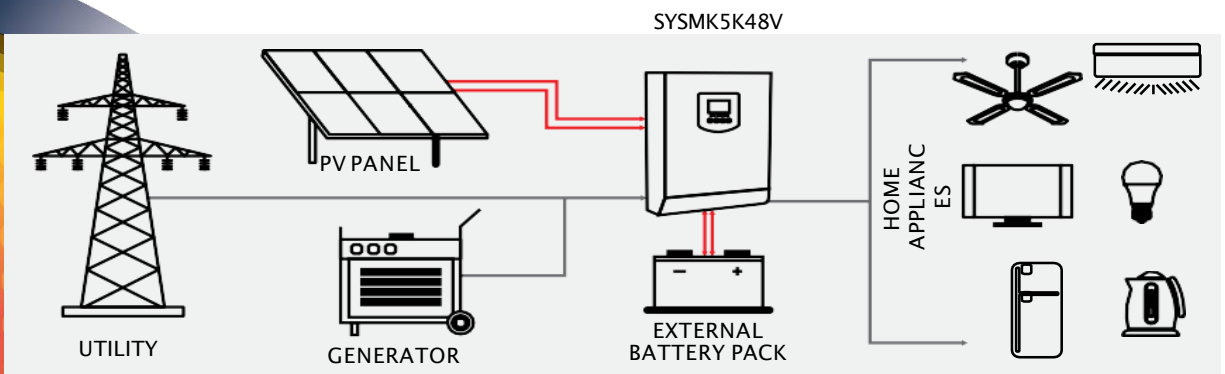


FEATURES



MODEL SYSMK5K48V

- 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 | 500VA / 5000W |
| Parallel Capability | 9 units |
| INPUT | |
| Voltage | 230VAC |
| Selectable Voltage Range | 170-280VAC (For PC) 90-280VAC (For Home Appliances) 184-253VAC (VDE4105) |
| Frequency Range | 50Hz/60Hz (Auto sensing) |
| OUTPUT | |
| AC Voltage Regulation | 230VAC +/-5% |
| Surge Power | 10000VA |
| Efficiency (Peak) | 93% |
| Transfer time | 10ms (For PC) 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 | 4500W |
| 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 | |
| Dimension (W*H*D) | 295*468*120mm |
| Nett 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 |



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