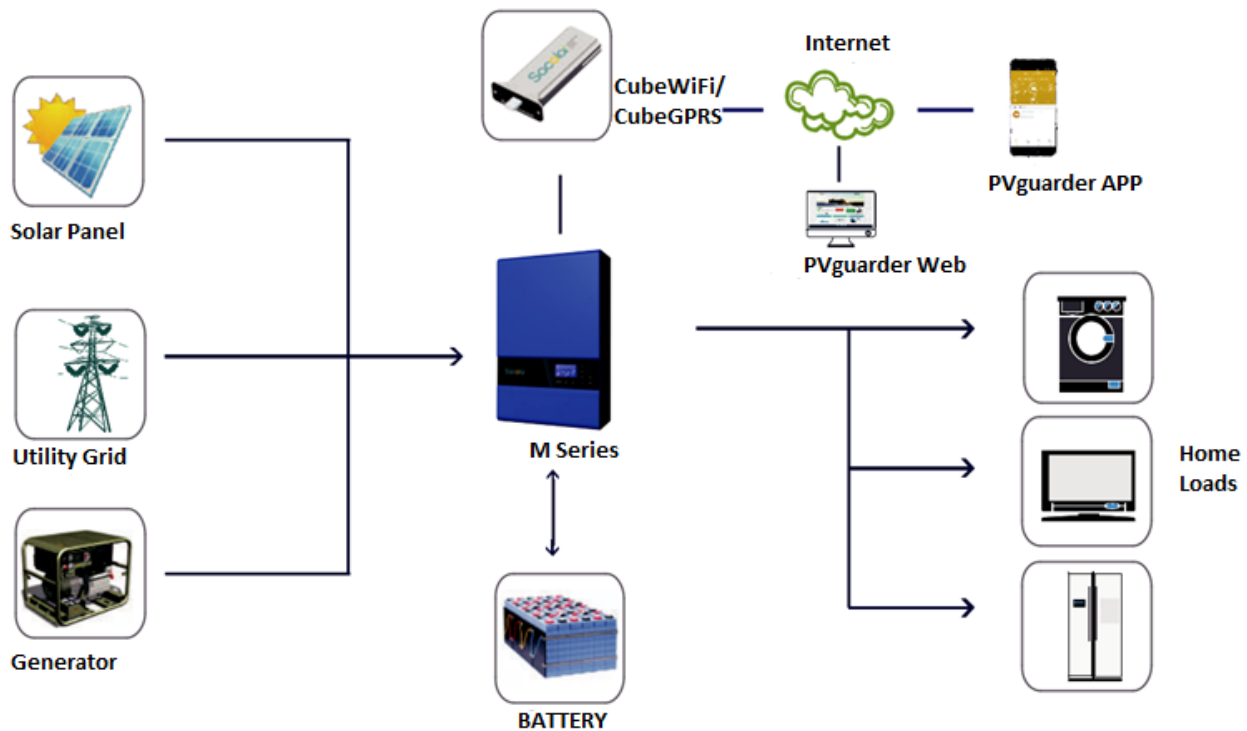


M SERIES

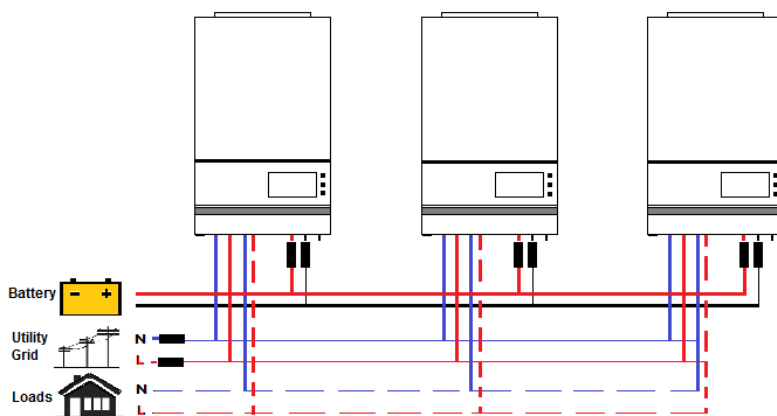
MAIN FEATURES:

- Rated power 3KW - 5KW, power factor 1
- Built-in MPPT solar charge controller
- High frequency inverter with compact design
- Pure sine wave AC output
- Configurable AC/ solar input priority via LCD setting
- WiFi/ GPRS remote monitoring (optional)
- RS485 communication for BMS (optional)
- Parallel operation up to 6 units for M SERIES

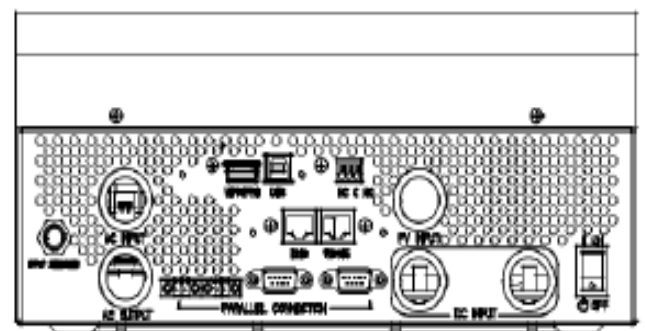


INTRODUCTION:

The M Series off grid solar inverter, which has an integral MPPT solar controller and includes a high frequency pure sine wave output with a UPS function in one machine.



PARALLEL CONNECTION



BOTTOM VIEW

SPECIFICATIONS

MODEL	M SERIES 3KW	M SERIES 5KW
BATTERY VOLTAGE	24 VDC/48 VDC	48 VDC
MONITORING OPTION	WiFi OR GPRS	WiFi OR GPRS
INVERTER OUTPUT		
RATED POWER	3000VA/3000W	5000VA/5000W
PARALLEL CAPACITY	NO	YES, 6 UNITS
AC VOLTAGE REGULATION (batt. mode)	230VAC $\pm 5\%$ @50/60Hz	230VAC $\pm 5\%$ @50/60Hz
SURGE POWER	6 000VA	10 000VA
EFFICIENCY (Peak)	93%	93%
WAVE FORM	Pure Sinewave	
MPPT SOLAR CHARGER		
MAX. PV ARRAY POWER	1500W@24V/1800W@48V	4500W
MPPT RANGE @ OPERATING VOLTAGE	30~80VDC@24V/60~115VDC@48V	60VDC~115VDC
MAX. PV ARRAY OPEN CIRCUIT VOLTAGE	102VDC@24V/145VDC@48V	145VDC
MAX. SOLAR CHARGE CURRENT	50A@24V/30A@48V	80A
MAX. EFFICIENCY	98%	98%
AC CHARGER		
MAX. AC CHARGE CURRENT	30A@24V/15A@48V	60A
AC INPUT VOLTAGE	230 VAC	230 VAC
SELECTABLE VOLTAGE RANGE	170-280 VAC (for personal computers); 90-280 VAC (for home Applications)	
FREQUENCY RANGE	50 Hz/60 Hz (Auto sensing)	
AC BYPASS		
TRANSFER TIME	10 ms (For personal computers) 20 ms (for home Appliances)	
PHYSICAL		
DIMENSION, DxWxH (mm)	385 x 280 x 130	455x295x130
NET WEIGHT (kgs)	7.5	11.5
OPERATING ENVIRONMENT		
HUMIDITY	5% to 95% Relative Humidity (Non-condensing)	
OPERATING TEMPERATURE	0°C -55°C	0°C -55°C
STORAGE TEMPERATURE	-15°C -60°C	-15°C -60°C

SBS SOLAR

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