MANYU SOLAR®

www.szmysolar.com

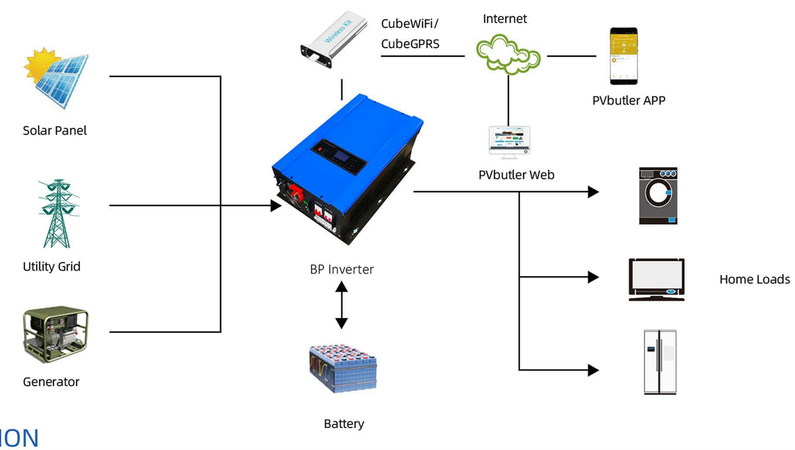
Low Frequency Solar Inverter

MY-MLP Series

Low Frequency Off-Grid Solar Inverter

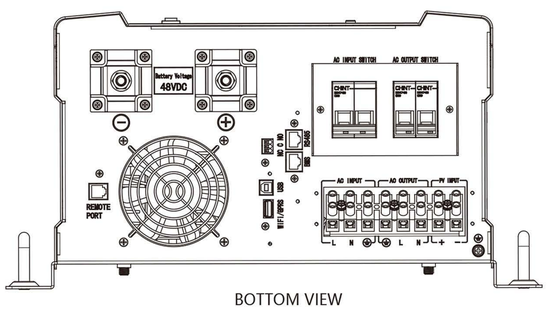
MAIN FEATURES

- ▶ Rated power 4kw to 12kw, with DSP control
- ▶ Pure sine wave AC output
- ▶ Built-in MPPT solar charge controller
- ▶ Low frequency with transformer
- ▶ Configurable AC/ solar input priority via LCD setting
- ▶ WiFi/ GPRS remote monitoring
- ▶ RS485 communication for BMS
- ▶ Compatible to mains voltage or generator power



INTRODUCTION

MY-MLP series off grid inverter is a multifunctional machine which is combined functions of inverter, PV charger and AC charger. The comprehensive LCD display controller gives configurable and easily accessible operation such as battery charging current, AC/solar charger priority, and selectable input voltage based on different applications.



BOTTOM VIEW

SPECIFICATION

Model	4KW	5KW	6KW	8KW	10KW	12KW
Battery Voltage	48VDC	48VDC	48VDC	48VDC	48VDC	48VDC
Rated Power	4KW	5KW	6KW	8KW	10KW	12KW
Monitoring Option	WiFi or GPRS	WiFi or GPRS	WiFi or GPRS	WiFi or GPRS	WiFi or GPRS	WiFi or GPRS
INVERTER OUTPUT						
Output Voltage	220V-230V-240V					
Surge Rating (20ms)	12KW	15KW	18KW	24KW	30KW	36KW
Capable Of Starting Electric Motor	2HP	2HP	3HP	4HP	5HP	6HP
Waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Output Frequency	50Hz/60Hz +/-0.3 Hz	50Hz/60Hz +/-0.3 Hz	50Hz/60Hz +/-0.3 Hz	50Hz/60Hz +/-0.3 Hz	50Hz/60Hz +/-0.3 Hz	50Hz/60Hz +/-0.3 Hz
SOLAR CHARGER & AC CHARGER						
Maximum PV Charge Current	80A	80A	80A	120A	120A	120A
Maximum PV Array Power	5000W	5000W	5000W	7000W	7000W	7000W
MPPT Operating Voltage	60~145VDC	60~145VDC	60~145VDC	60~145VDC	60~145VDC	60~145VDC
Maximum PV Array Open Circuit Voltage	150VDC	150VDC	150VDC	150VDC	150VDC	150VDC
AC Input Voltage	220V-230V-240VAC					
Frequency Range	50Hz/60Hz(Auto sensing)					
Overcharger Protection	AGM:60V; FLD: 62V; USE: CV+4.0V					
Maximum AC Charge Current	40A	50A	60A	70A	80A	100A
Maximum Charge Current (PV+AC)	120A	130A	140A	180A	180A	180A
MECHANICAL SPECIFICATIONS						
Dimensions(W*H*D)	540*360*218mm	540*360*218mm	540*360*218mm	650*380*225mm	650*380*225mm	650*380*225mm
Net Weight(Solar CHG)kg	38	41	45	64	66	75
OTHERS						
Typical Transfer Time	10ms	10ms	10ms	10ms	10ms	10ms
Communication Interface	USB/RS485	USB/RS485	USB/RS485	USB/RS485	USB/RS485	USB/RS485
Operation Temperature Range	0℃ to 55℃	0℃ to 55℃	0℃ to 55℃	0℃ to 55℃	0℃ to 55℃	0℃ to 55℃
Storage Temperature	-15℃~60℃	-15℃~60℃	-15℃~60℃	-15℃~60℃	-15℃~60℃	-15℃~60℃