



Off Grid Single Phase Inverter

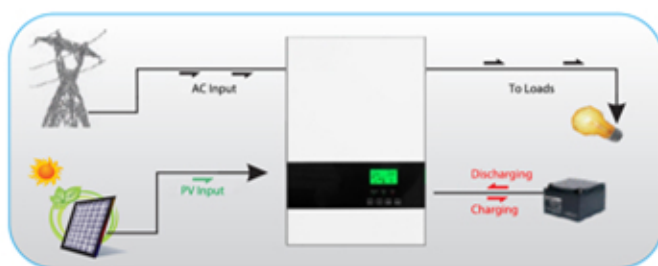
MPK-III SERIES



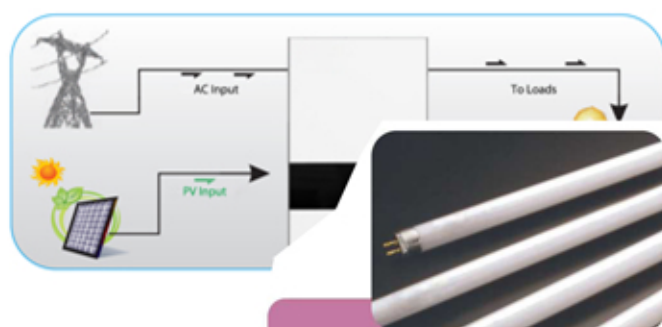
Features

- Pure sine wave solar inverter
- Output power factor 1.0
- Built-in 100A MPPT solar charger
- High PV input voltage range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalization function to optimize battery performance and extend lifecycle
- Parallel operation up to 9 units
- Running without battery available

Hybrid Solar System

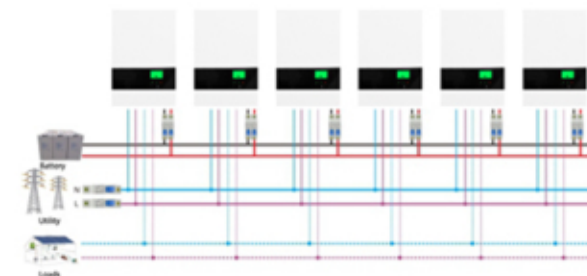


Running with battery

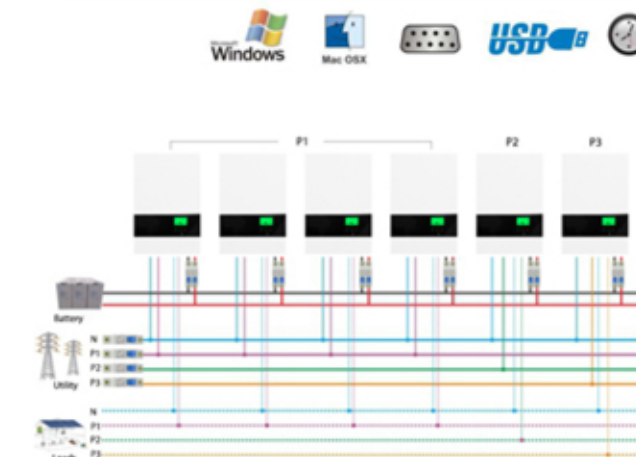


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Parallel Connection



Single phase parallel connect with 9 units output up to 49.5KW



Three phases parallel connect with either 3 units output 16.5KW or 9 units output 49.5KW

MPK-III Series Inverter Selection Guide

Model	MPK-III-3500W	MPK-III-5500W	MPK-III-8000W
Rated Power	3500W	5500W	8000W
AC Input			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (for personal computers), 90-280 VAC (for home appliances)		
Frequency Range	50/60Hz (auto sensing)		
AC Output			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Surge Power	7000VA	11000VA	16000VA
Efficiency (Peak)	Up to 93.5%		
Transfer Time	10 ms (For personal computers); 20 ms (For home appliances)		
Waveform	Pure sine wave		
Battery			
Battery Voltage	24VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	54VDC	54VDC
Overcharge Protection	33VDC	63VDC	63VDC
Solar Charger & AC Charger			
Solar Charger Type	MPPT		
Maximum PV Array Power	5500W	5500W	4000W*2
Maximum PV Array Open Circuit Voltage	500VDC		
MPPT Range @ Operating Voltage	120~450VDC		
Maximum Solar Charge Current	100A	100A	120A
Maximum AC Charge Current	80A	80A	120A
Maximum Charge Current	100A	100A	120A
Physical			
Dimension (DxWxH) mm	500*300*120		554*420*142
Net Weight (KGS)	11.5	12.3	18.5
Communication	USB / RS232 / RS485 / CAN (WIFI optional)		
Operating Environment			
Humidity	5% to 95% relative humidity(non-condensing)		
Operating Temperature	-10°C to 60°C		
Storage Temperature	-15°C to 60°C		

Product specifications are subject to change without further notice.