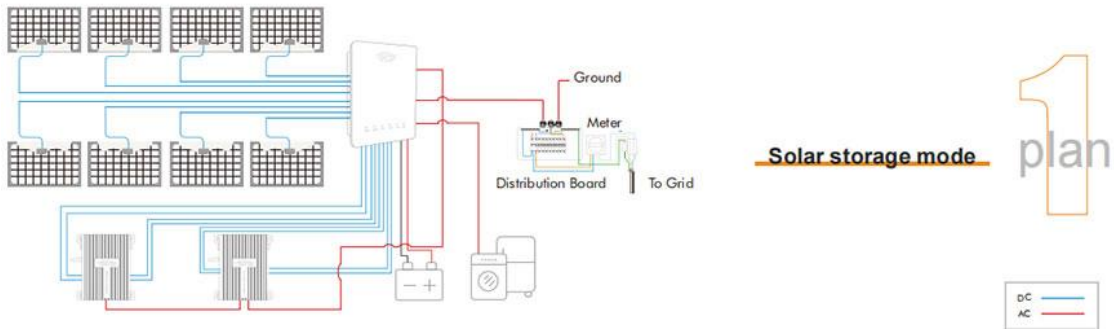
2000W 4MPPT Three-Phase Microinverter

As the world shifts from fossil fuels to clean energy, we are pleased to see the deployment of solar systems accelerate around the world, and our microinverters are also recognized by customers in various regions. Wocor is proud to be your reliable partner as we move together towards our goal of energy independence and a greener future. Efficiently turns sunlight into clean and green power. Our Tiger series 2000W 4MPPT Three-Phase Microinverter employs MPPT technology and digital control. It is designed to provide sufficient power to drive various household appliances. Moreover, it has a prolonged service life given its IP67 waterproof design. The first step on the sustainable energy path is energy conservation, and this inverter aims at achieving exactly this.

Product Description

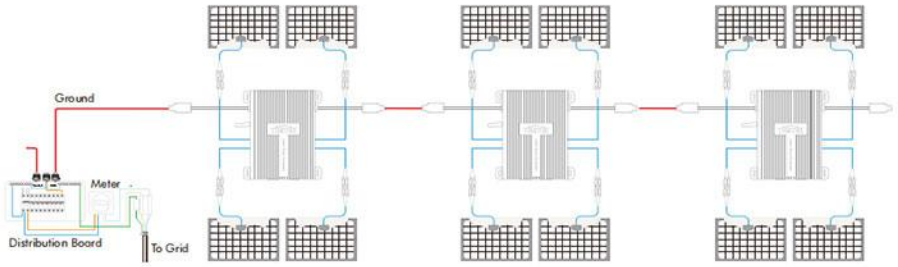
WoCor Poweray Tiger series 2000W 4MPPT Three-Phase Microinverter is a device that converts direct current from a single solar module to alternating current. The microinverter converts DC power to AC power from individual solar modules. Each solar cell module is equipped with inverter and converter functions. Each component can independently convert current, hence the name "microinverter". equipment".

The Tiger series 2000W 4MPPT Three-Phase Microinverter, IP67 enclosure rating, effectively prevents rainwater from eroding the surface. The Tiger series 2000W 4MPPT Three-Phase Microinverter is flexible application, could switch to off-grid mode to supply AC power to home devices. Efficient use of the inverter to the power emitted. The Tiger series 2000W 4MPPT Three-Phase Microinverter is a grid-connected solar inverter with 433MHz wireless communication and IP65 waterproof streamline design, converts 20-60 V DC to 220-230 V AC, level of Harmonics Distortion <3%.



plan 2

On-grid mode



Product information	
Model	Tiger-2KW
PV Input Data	
Number of MPPT Trackers	4
Suggested Modules Range	500W-600W
Max. Input DC Voltage	60V
MPPT Operating Voltage Range	25-60V
Startup Voltage	20V
Overvoltage Class DC Port	II
DC Port Backfeed Current	0 A
Max. Input Current	4 × 15 A
PV Array Requirement	4x1 Ungrounded array; No Additional PV side protection required
AC Output Data	
Peak Output Power	6000W
Max. Continuous Output Power	2000W
Max. Continuous Output Current	10.43A
Nominal output voltage	220/230Vac(187-278Vac)
Nominal Frequency/Range	50HZ/60HZ
Extended Frequency/Range	45~55Hz / 55~65Hz
AC Short Circuit Current	14A
Max. Units Per Branch Circuit	3
Overvoltage Class AC Port	III
Power Factor(Adjustable)	>0.99 Default, 0.8 Leading...0.8 Lagging...
Level of Harmonics Distortion	<3%
AC Protection Required	AC output side need 63A circuit breaker(on grid modle)
Efficiency	
CEC Weighted Efficiency	95%
Peak Inverter Efficiency	95.50%

Static MPPT Efficiency	99%
Night Time Power Consumption	＜50mW
Mechanical Data	
Operating Ambient Temperature Range	-40 °C to +65 °C(-40 °F to +149 ° F)
Storage Ambinet Temperature	-40 °C to +85 °C(-40 °F to +185° F)
Relative Humidity Range	4% to 100% (condensing)
Connector type: DC	MC4
Dimensions(W*H*D)	270*300*45mm
Weight	5.2 KG
Cooling	Natural Convection-No Fans
Approved for Wet Locations	Yes
Enclosure Rating	IP67
AC Cable Length(Customizable)	Standard 2.5m(customized available)
Features	
Communication	WIFI
Monitoring	Support remote web page monitoring and mobile APP by WoCor Poweray Cloud
Compliance	Inmetro, UL1741, VDE4105, VDE0126, CE,EN50549...
*Support off-grid operation and battery mode operation without mains power	

Product Feature of the 2000W 4MPPT Three-Phase Microinverter

*Solar panels output voltage <60VDC, decrease the risk of an electrical fire.

*One panel match one MPPT, increase 5-15% power in production vs string inverters.

*Keep each panel to work individually, avoid the impact of partial shadows on the entire solar system

*Independently tracking each of solar panels production, easy to identify each solar panel performs.

*Flexible application, could switch to off-grid mode to supply AC power to home devices.

*Lightweight and compact with plug-and-play connectors, easy to in stall.

*App monitor the running station anytime, anywhere.