800W 2MPPT Three-Phase Microinverter

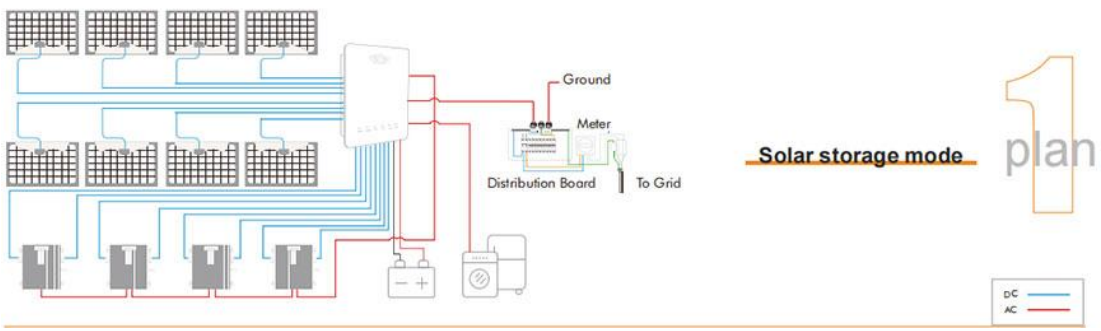
As the world shifts from fossil fuels to clean energy, we are pleased to see the deployment of solar systems accelerate around the world, and our microinverters are also recognized by customers in various regions. Wocor is proud to be your reliable partner as we move together towards our goal of energy independence and a greener future. Our newest Tiger series 800W 2MPPT Three-Phase Microinverter is the industry's first on/off grid solar panel microinverters with split-phase power conversion capability to convert DC power to AC power efficiently.

Product Description

WoCor Poweray Tiger series 800W 2MPPT Three-Phase Microinverter uses plug-and-play technology in order to make your installations faster and easier. Everything snaps together to form a perfect fit. Installation happens with a click even if you are wearing gloves. The Tiger series 800W 2MPPT Three-Phase Microinverter will make sure the solar panel getswith the highest power point tracking to reduce the occlusion effect caused by shadows and other obstacles and improve work efficiency.

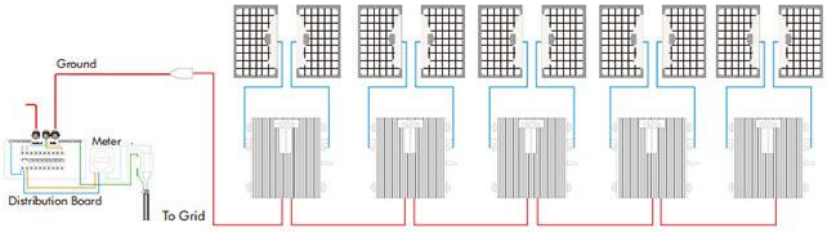
The Tiger series 800W 2MPPT Three-Phase Microinverter are game changers for the solar power industry. WoCor Poweray Tiger series 800W 2MPPT Three-Phase Microinverters are on/off grid inverter, which work with our Tribune-EMS series controller will magically create a residential solar storage system that will support battery mode operation without mains power.

And unlike traditional microinverters that have one photovoltaic (PV) module inputting into one microinverter, our Tiger series 800W 2MPPT Three-Phase Microinverters have two individual DC input channels to enable independent peak power tracking for up to two PV modules. This allows significant reduction in installation time and cable costs.



plan 2

On-grid mode



Product information	
Model	Tiger-800W
PV Input Data	
Number of MPPT Trackers	2
Suggested Modules Range	300W-400W
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	2 × 15 A
PV Array Requirement	2x1 Ungrounded array; No Additional PV side protection required
AC Output Data	
Peak Output Power	2400W
Max. Continuous Output Power	800W
Max. Continuous Output Current	3.6A
Nominal output voltage	220/230Vac(187-278Vac)
Nominal Frequency/Range	50HZ/60HZ
Extended Frequency/Range	45~55Hz / 55~65Hz
AC Short Circuit Current	7.5A
Max. Units Per Branch Circuit	5
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)	218*245*42mm
Weight	3 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...

Product Feature And Application of the 800W 2MPPT 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.