



### 1800W Three-Phase Microinverter

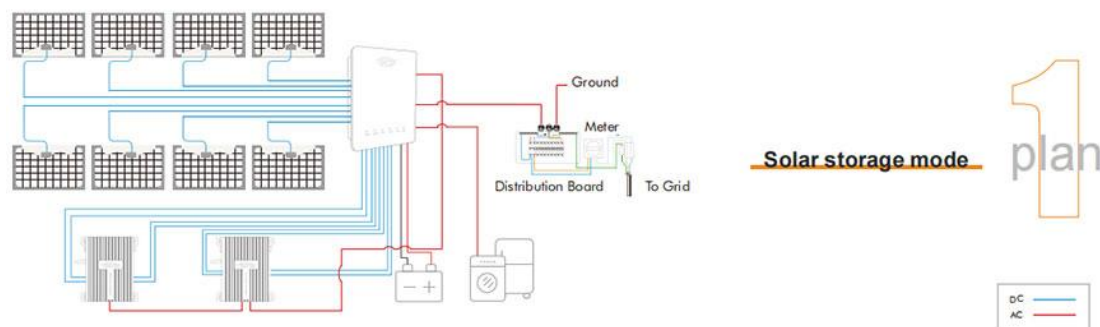
As the world shifts from fossil fuels to clean energy, we are pleased to see the deployment of solar systems accelerate around the world, and our microinverters are also recognized by customers in various regions. Wocor is proud to be your reliable partner as we move together towards our goal of energy independence and a greener future. In recent years, traditional inverters are divided into central inverter and string inverter. The traditional

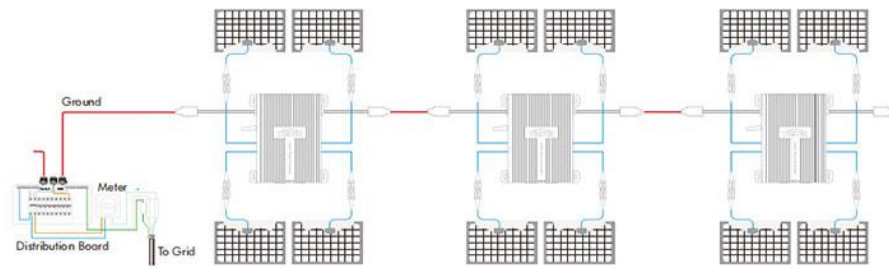
PV inverter method is to connect PV panels in series and parallel to form a PV array. Normally, the DC voltage after series and parallel is 600~1500V, then DC is converted to AC and connected to the grid through central inverter or string. String inverters have many problems, and microinverters like Tiger series 1800W Three-Phase Microinverter are emerging inverters that can solve these problems.

### Product Description

WoCor Poweray Tiger series 1800W Three-Phase Microinverter is the latest generation of three-phase on/off grid inverters from the manufacturer, improving quality, reliability and efficiency. WoCor Poweray Tiger series 1800W Three-Phase Microinverter is an inverter that incorporates 4 MPPT ports. This series offers inverters with powers from 1.6kW to 2kW. The equipment efficiently manages the energy produced to get the most out of the solar installation.

WoCor Poweray Tiger series 1800W Three-Phase Microinverter 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. The WoCor Poweray Tiger series 1800W Three-Phase Microinverter incorporate short circuit protection, robust and efficient electronics, overload protection and high temperature protection.





Product information	
Model	Tiger-1.8KW
PV Input Data	
Number of MPPT Trackers	4
Suggested Modules Range	400W-550W
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	5400W
Max. Continuous Output Power	1800W
Max. Continuous Output Current	9.56A
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
<b>Mechanical Data</b>	
Operating Ambient Temperature Range	-40 °C to +65 °C(-40 °F to +149 ° F )
Storage Ambient 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)
<b>Features</b>	
Communication	WIFI
Monitoring	Support remote web page monitoring and mobile APP by WoCor Poweray Cloud
Compliance	Inmetro, UL1741, VDE4105, VDE0126, CE,EN50549...
<b>Product Feature of the WoCor Poweray Tiger series 1800W Three-Phase Microinverter</b>	

- \*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.