



### 500W Three-Phase Microinverter

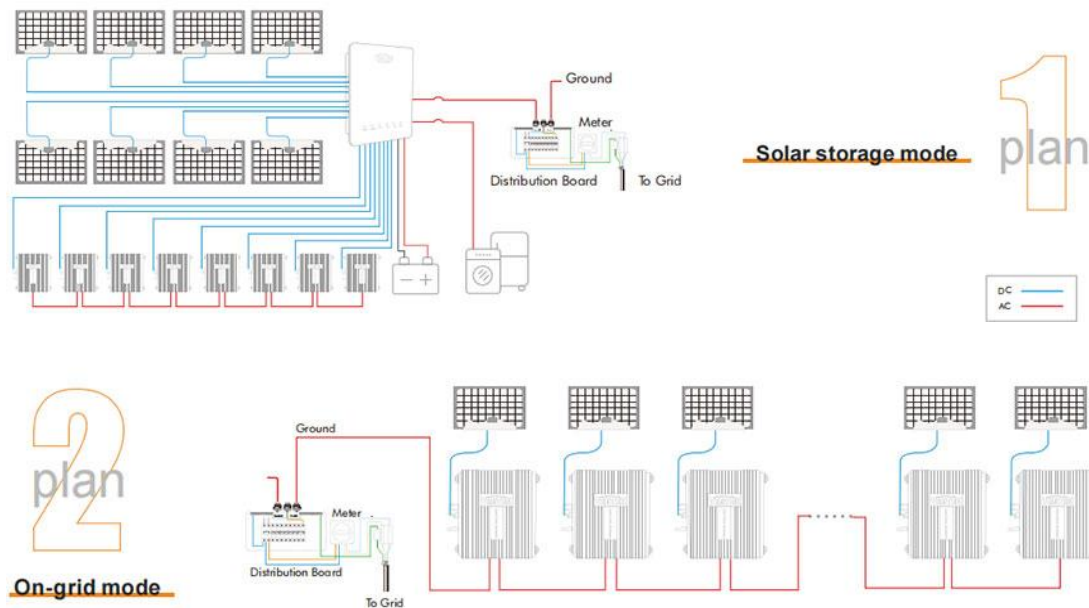
Our solar energy solutions are backed by years of advanced research in solar power conversion. Rely on our advanced technology to provide you with superior, reliable performance at a fraction of the cost of other systems. Based on a Per-Watt rating, the WoCor Poweray Tiger series 500W Three-Phase Microinverter has the lowest microinverter cost, the highest power output, the highest power density, and the lowest weight in the

industry.

## Product Description

WoCor Poweray Tiger series 500W Three-Phase Microinverter are game changers for the solar power industry. WoCor Poweray 500W 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.

Our Tiger series 500W Three-Phase Microinverter employs MPPT technology and digital control. It is designed to provide sufficient power to drive various household appliances. WoCor Poweray Tiger series 500W Three-Phase Microinverter, IP67 enclosure rating, effectively prevents rainwater from eroding the surface.



<b>Product information</b>	
Model	Tiger-500W
<b>PV Input Data</b>	
Number of MPPT Trackers	1
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	1 × 15 A
PV Array Requirement	1x1 Ungrounded array; No Additional PV side protection required
<b>AC Output Data</b>	
Peak Output Power	1500W
Max. Continuous Output Power	500W
Max. Continuous Output Current	2.28A
Nominal output voltage	220/230Vac(187-278Vac)
Nominal Frequency/Range	50HZ/60HZ
Extended Frequency/Range	45~55Hz / 55~65Hz
AC Short Circuit Current	3.7A
Max. Units Per Branch Circuit	10
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)
<b>Efficiency</b>	
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)	195*177*42mm
Weight	1 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...

### Product Feature And Application of the 500W 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.