



1.2KW 2MPPT Three-Phase Microinverter

Shifting environmental factors constantly challenge the efficiency of solar arrays; dust, debris and shade can drastically lower power output. With a conventional “string” inverter system, the least-performing module determines the productivity of the entire array – so the shadow of a single leaf will compromise the whole system.

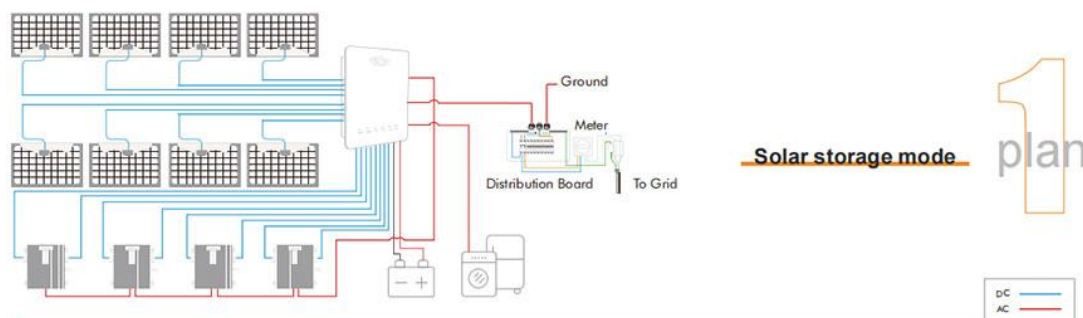
WoCor Poweray Tiger series 1.2KW 2MPPT Three-Phase Microinverter give you more power,

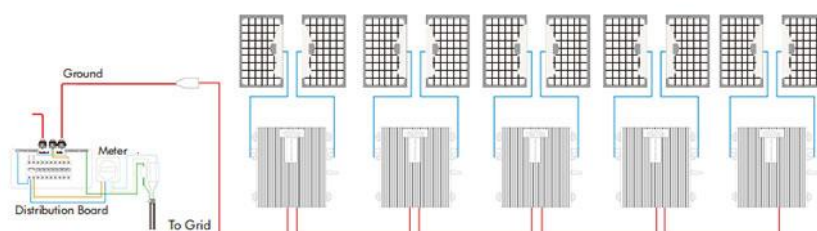
independently optimizing the output from each solar module.

Product Description

If one module is shaded, all the other modules in your array will still operate at full power. Built into each Tiger series 1.2KW 2MPPT Three-Phase Microinverter is a function called Maximum Power Point Tracking. Working at hundreds of times per second, the Tiger series 1.2KW 2MPPT Three-Phase Microinverter continually finds the greatest possible module power, greatly increasing overall system performance.

The Tiger series 1.2KW 2MPPT Three-Phase Microinverter is the industry’s first highest power rating microinverter that produces electrical energy from two photovoltaic (“PV”) panels of 500W+ each, without any power clipping under all operating conditions. our Tiger series 1.2KW 2MPPT Three-Phase Microinverter 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.





Product information	
Model	Tiger-1.2KW
PV Input Data	
Number of MPPT Trackers	2
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	2 × 15 A
PV Array Requirement	2x1 Ungrounded array; No Additional PV side protection required
AC Output Data	
Peak Output Power	3600W
Max. Continuous Output Power	1200W
Max. Continuous Output Current	5.45A
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 1.2KW 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.