

Grid Tied Inverter

The Microcare Grid Tied Inverter is applicable to various rooftop and small scale photovoltaic grid connected applications. This series is transformerless and has a wide range of MPPT input voltage. It's maximum conversion efficiency and MPPT tracking accuracy reach 97.6 % and 99.5 % respectively. The maximum DC voltage reaches 550V and the unit comes with integrated DC switch and waterproof direct plug-in terminals. It's LCD display facilitates easy operation and the unit has an overvoltage, short-circuit, overloading and overheating protection functions. Its IP65 protection degree will ensure that it runs well in various tough environments.



- Peak Efficiency of 97.6%
- LCD display with backlight
- Standby current <5W
- Wide MPPT input voltage range 110 - 550V volts
- Integrated multi-communication interfaces
- Long service life ensured by using film capacitors
- VDE and CE certifications
- Complies with local NRS 097-2-1 regulations
- IP65 Protection rated
- Minimum local service turnaround
- 7 Year Warranty

Model	1.5kW	3kW	5kW
Max DC power	1750W	3160W	5200W
Max DC voltage	450V	500V	550V
Recommended System Voltage	360V	383V	383V
System Start-up Voltage	150V		
PV Voltage Range MPPT	110V-430V	110V-480V	110V-530V
Full Load Voltage Range MPPT	200V-360V	250V-400V	280V-440V
Max Input Current	9A	13A	19A
DC Voltage Ripple	< 5%		
Nominal AC Output	1500W	2800W	4900W
Max AC Power	1650W	3000W	4900W
Max Output Current	9A	16A	23A
THD of AC Current	< 3%		
Norminal Grid Voltage	220V/230V/240V		
Nominal Grid Frequency	50Hz		
Power Factor (cos φ)	0.99		
Number of Feed-In Phases	single-phase		
Max Efficiency	96.5%	96.6%	97.6%
Dimensions (h x w x d)	360/500/155	360/500/194	360/500/194
Weight	14kg	18.4kg	18.4kg