

MR500

MICRO INVERTER



Product advantages

- Easy to install and maintain with small size, light weight
- Up to 20A DC input current to be compatible with the high power PV module
- Low start up voltage and wide MPPT voltage range
- Safer with Rapid Shutdown function and isolated HF transformer
- Electrolytic-free capacitor for long life
- Sub 1G wireless communication
- IP67 protection grade, more reliable



Model	MR500
DC input	
Recommended PV Module Power (STC) Range	200Wp to 670Wp*
Max. input voltage	58V
Startup voltage	22V
MPPT operating voltage range	26-55V
Number of MPPT	1
Max. number of input strings per MPPT	1
Max. input current per MPPT	20A
Max. short-circuit current per MPPT	25A
AC Output	
Rated output power	500VA
Max. output power	550VA
Rated output current	2.3/2.2/2.1A
Rated grid voltage ⁽¹⁾	220/230/240V
Grid Voltage Range ⁽¹⁾	176-276V
Rated grid frequency	50/60Hz
Grid frequency range	45-66Hz
THDi	≤3%
Power factor	1 (adjustable 0.8L-0.8C)
Maximum units per branch ⁽²⁾	6
Efficiency	
Max. MPPT efficiency	99.5%
Peak Efficiency	97.5%
General Datas	
Operating temperature range ⁽³⁾	-40~+65°C
Relative humidity range	5%-95% (non-condensing)
Max. operating altitude ⁽⁴⁾	<4000m
Topology	Galvanically Isolated
Degree of protection	IP67
Dimensions (W*H*D)	145*165*45mm
Cooling	Natural Cooling
Weight	2.2kg
Communication	Sub-1G
Standard	IEC/EN 61000-6-1/-3, IEC/EN 6100-1/-2, IEC/EN 62477, XP C 15-713-3, VDE4105, EN50549-1, NTS 631 TypeA, EN50549-1 (NFC) typeA, ABNT NBR 16149/50

^{(1),(2)} According to local utility requirements. ⁽³⁾ Refer to the local requirements for qty. of microinverter per branch. ⁽⁴⁾ Refer to the temperature derating curve. ⁽⁵⁾ Refer to the derating curve.
 * All specifications are subject to change without notice.