

 **MAX POWER**
SOLAR

MPS5000 SOLAR INVERTER



Monitor power
production on
the Max Power
Solar phone app



Solar meets
innovation

maxpowersolar.com.au

The Max Power solar inverter has been designed and developed with performance and longevity in mind, and is manufactured with industry leading components to suit harsh Australian conditions. Safety is another great feature of this device, with its integrated photovoltaic isolation mechanism. The cutting-edge technology inside the MPS5000 Inverter offers customers peace of mind, backed with a 12-year Australian product warranty.

KEY FEATURES

					
Smart Wi-Fi for Online Monitoring	Performance Low Start-Up Voltage	Safe Built-in DC Isolator	Quality Leading Brand Components	Warranty 12 Yr Australian Product Warranty	Australian Owned

SPECIFICATIONS MPS5000

INPUT (DC)

Max. PV Input Power [W]	6500
Max. PV Input Voltage [V]	600
Nominal DC Operating Voltage [V]	360
Max. Input Current (input A/ input B) [A]	12.5/12.5
Max. Short Circuit Current (inputs) [A]	15/15
MPPT Voltage Range [Vdc]	80-550
Start-up Voltage [V]	120
No. of MPP Trackers	2
Strings Per MPP Tracker	1

OUTPUT (AC)

Nominal AC Power [W]	5000
Max. AC Power [VA]	5500
Rated Grid Voltage [Vac]	220/230/240
Rated Grid Frequency [Hz]	50/60, ±5
Nominal AC Current [A]	21.7
Max. AC Current [A]	23.9
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)
Total Harmonic Distortion (THD)	<3%

EFFICIENCY

MPPT Efficiency	99.0%
Euro-efficiency	96.8%
Max. Efficiency	97.4%

CERTIFICATIONS

Safety	IEC 62109-1/2
EMC IEC 61000-6-1 / IEC 61000-6-2 / IEC 61000-6-3 Standards	AS4777.2-2015/G99-1/EN50549-1/IEC 61727

PROTECTIONS INCLUDED

DC Reverse-polarity Protection
Anti-Islanding Protection
Insulation Monitoring
Residual Current Monitoring
AC Short Circuit Protection
AC Output Over Current Protection
AC Output Over Voltage Protection
Surge Protection
Temperature Protection
Integrated DC Switch

GENERAL DATA

Dimensions (WxHxD) [mm]	402 x 476 x 148
Net Weight [kg]	15.5
Cooling Concept	Natural
Ingress Protection	IP65
Topology	Transformerless
Over Voltage Category	III (AC side), II (PV side)
Noise Emission (typical) [dB]	<30
Operating Temperature Range	-20°C to +60°C (derating at +45°C)
Storage Temperature Range	-40°C to +70°C
Humidity	0-100% (no condensation)
Max. Operating Altitude	3000m (derating when >2000m)
Self Consumption (night) [W]	<1W
Monitoring Module (optional)	External WIFI/ Lan/GPRS (optional)
Communication	Meter, CT, DRM, USB update, ISO alarm (internal)
Display	LCD screen

Specifications subject to technical changes and tests.
Max Power Solar reserve the right of final interpretation.
Made in China - Produced by Oz Power Products Pty Ltd T/A
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Limited warranty 6 + 6 years for products only.

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