

MPI-1500
MPI-2000
MPI-3000



MPP SOLAR MPI-SERIES

GRID-TIED PHOTOVOLTAIC INVERTER

Our MPI series grid-tied inverters operate based on sophisticated technology and are our best-selling inverter with great track records in Europe and Oceania. Available from 1.5KW to 6KW, these inverters are equipped with MPPT (Maximum Power Point Tracking) capability with wide input range from 150V to 600V, providing excellent system design flexibility. Also featuring a protection rating of IP65 and built-in DC switch, the MPI series inverters work comfortably outdoors and allow servicing and maintenance to be performed safely. Fully certified by leading safety standards VDE/RD/DK/AS/G83/CE, these inverters makes your dream of a free energy world come true. Communication accessories include RS485 Modbus card, SNMP/HTTP web card, wireless module, and GSM/GPRS module.





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ADDITIONAL FEATURES

- Max. conversion efficiency 95%
- Wide MPPT voltage range from 150 to 500V
- All inverters are built in with DC switch compliant to the latest VDE0126-1-1 terms
- Power saving feature allows inverters to consume only 0.1W in standby mode
- Compact, lightweight, and transformerless design make inverter less expensive to ship and easier to install
- Housing in all sizes are IP65 rated, suitable for indoor and outdoor applications
- Anti-islanding and GFCI safety protections
- Versatile communication interface options include RS232, USB, GSM/GPRS/LAN/wireless module, SNMP web card and RS485 modbus card (optional), allowing user to monitor system via Internet
- Intelligent PV monitoring software included to notify user when failure occurs
- Inverters can be series-connected

INPUT SPECIFICATION

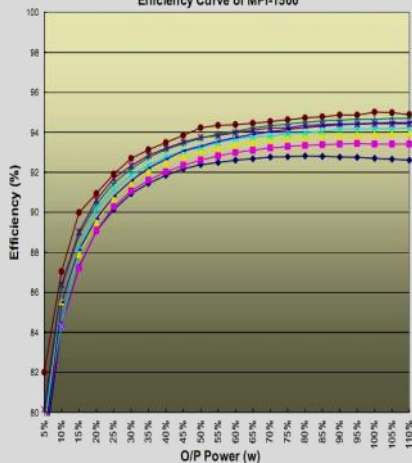
Max Input Power	1750W	2340W	3510W
PV Open VDC	500V		
Nominal VDC	360 ~ 400V		
MPPT Voltage Range	150 ~ 500V ± 5%		
System Startup/Initial Feeding Voltage	100V ± 5% / 150V ± 5%		
Working/Shutdown Voltage	100V ~ 500V ± 5% / 80V		
Full Rating Working Range	200 ~ 500V		
Max Input Current	7.5A	10A	15A
DC Ripple	<10%		
DC Insulation Resistance	> 8M ohm		
DC Switch	ON/OFF 20A		
DC Connector	Tyco or MC contact (1 pair)		
Attached DC Connector	Tyco or MC contact (1 pair)		

OUTPUT SPECIFICATION

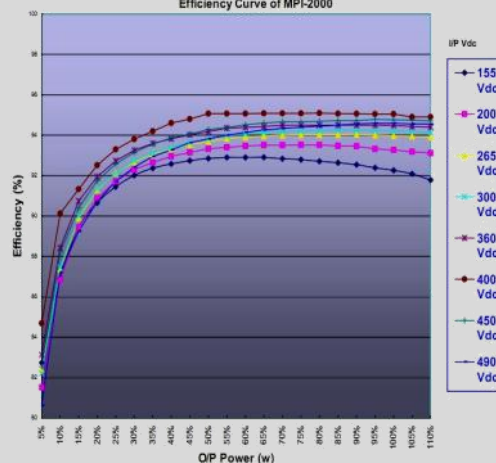
Nominal/Maximum Output	1500/1650W	2000/2200W	3000/3300W
Normal Operational Voltage/Range	230V / 198 ~ 256V		
Operational Frequency Range	50/60Hz Auto Selection		
Nominal Output Current	6.6A	8.7A	13A
Output Current Distortion	THD<5%		
Power Factor	>0.99		
DC Current Injection	<0.5% of inverter rated output current		
Normal/Night Standby Power Consumption	<7W / <0.1W		
Conversion/European Efficiency	>94% / >93%	>95% / >94%	>95% / >94%
Ground Current/Frequency Detection Range	0 ~ 500mA / 0 ~ 700Hz		
Ingress Protection Rating	IP65		
Operating Temperature / Humidity	-25 ~ 55°C / 0~95% RH Non-Condensing		
Heat Dissipation	Convection		
Acoustic Noise	<40dB, A-weighted, up to 20KHz		
Altitude	Up to 3000m without power derating, 5°C derate for each additional 500m		
Physical Dimension / Weight	352*300*133mm/14Kg	352*300*133mm/14Kg	352*300*143mm/14Kg
Certifications	VDE0126-1-1/DK5940/G83/RD1663/AS4774/CE		

*Product specifications are subject to change without prior notice. MPP Solar is a registered trademark of MPP Solar Inc.

Efficiency Curve of MPI-1500



Efficiency Curve of MPI-2000



Efficiency Curve of MPI-3000

