

MICROINVERTER

Residential Series



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INV 1.1 MGT

INV 2.0 MGT

INV 3.0 MGT

Key Features:



Plug & Play Installation For Quick And Easy Setup.



Up To 96.7% Peak Conversion Efficiency.



Dual MPPT Design For Maximum Energy Harvest.



Compatible With 300-600+ W High-power PV Modules.



Integrated RSD For Enhanced System Safety.



Remote Firmware Upgrade For Easy Maintenance And Performance Enhancements.



IP67-rated Enclosure For Reliable Outdoor Operation.



Fanless Natural Cooling For Silent Operation.



RS485 Communication For Seamless System Integration.



12-year Standard Warranty For Long-term Reliability.



Extendable Warranty Up To 25 Years.



Wifi, Bluetooth & 4G Support For Real-time Remote Monitoring.



Toll Free NO. 1800 309 7880



www.invergypowersupply.com



Image may differ from the actual product.



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Model	INV 1.1 MGT	INV 2.0 MGT	INV 3.0 MGT
Input(DC)			
Recommended Module Power [Wp]	300-600+	400-700+	
Quantity of PV Module	1 to 2	1 to 4	1 to 6
Start up Voltage @Rated condition [V]	22	22	
MPPT Voltage Range per Input [V]	16-60	16-60	
Max. Input Voltage per Input [V]	60	60	
Short Circuit Current [A]	20	25	
Max. Input Current per Input [A]	16	18	
Quantity of MPPT	2	4	6
Quantity of DC Inputs [MC4]	2	4	6
Output(AC)			
Nominal Continuous Output Power [W]	1100	2000	3000
Max. Output Current [A]	5.5	10	15
Nominal Output Voltage [V]	220/230/240 V, L/N/PE		
Nominal Frequency [Hz]	50/60		
Power Factor	>0.99 default, 0.8 leading ... 0.8 lagging		
Output Current Harmonic Distortion	<3%		
Maximum Units per 12AWG Branch	7	3	2
Maximum Units per 10AWG Branch	9	5	3
Efficiency			
Peak Inverter Efficiency	96.7%		97.0%
EU Weighted Efficiency	96.7%	96.5%	96.7%
Nominal MPPT Efficiency	99.9%		
Night Time Power Consumption	<50 mW		
Mechanical Data			
Dimensions [WxHxD mm]	261 × 228 × 32	331 × 261 × 44 mm	380 × 313 × 49 mm
Weight [kg]	2.8	5	8.2
General Data			
Communication	WiFi (Bluetooth) or 4G, RS485 (Optional)	WiFi (Bluetooth) or 4G, Rs485*2 (Optional)	
Cable/Assembling	AC Cable up to 0.5m with T Connector		
Type of Isolation	HF Isolation		
Type of Enclosure	IP67		
Cooling	Natural convection		
Operating Ambient Temperature Range	-40 ~ +65°C (derating of over 40°C Ambient Temperature @ PV input 30V)		
Relative Humidity	100%		
Max. Operating Altitude Without Derating [m]	2000		

* The AC voltage and frequency range may vary depending on specific country grid.