



M2 Series Microinverter

M2-600/700/800/900/1000



SAFETY

Low DC 60V voltage & rapid shut down



EFFICIENCY

High efficiency, up to 1000w



COMMUNICATION

MESH networking with wide coverage



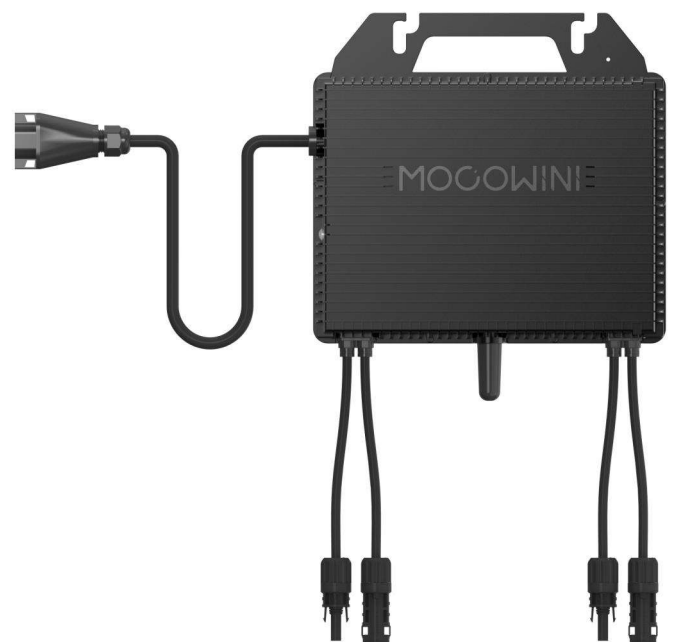
SMART

Module-level smart real-time monitoring



PROTECTION

High reliability IP67 enclosure



M2 Series Technical Specifications

Model	M2-600	M2-700	M2-800	M2-900	M2-1000
Input Data (DC)					
Recommended PV Module Power (STC) Range (Wp+)	300-670				
Max. Input Voltage (Vdc)	60				
Operating Voltage Range (Vdc)	16-60				
Start-up Voltage (Vdc)	22				
Max. Input Current I _{max} (A)	2*12	2*13	2*14	2*15	2*16
Max. Input Short-circuit Current I _{sc} (A)	2*16	2*17	2*18	2*19	2*20
Number of MPPTs	2				
Output Data (AC)					
Nominal Output Power (Wp)	600	700	800	900	1000
Nominal/Max. Apparent Power (VA)	600/600	700/700	800/800	900/900	1000/1000
Max. Active Power (Wp)	600	700	800	900	1000
Nominal Output Current (A/V)	2.73/220	3.18/220	3.64/220	4.09/220	4.55/220
	2.61/230	3.04/230	3.48/230	3.91/230	4.35/230
	2.50/240	2.92/240	3.33/240	3.75/240	4.17/240
Nominal Voltage/Range (V)	220/230/240				
Nominal Frequency/Range (Hz)	50/60				
Power Factor	>0.99, 0.8 leading ~ 0.8 lagging				
THDi	<3%				
Efficiency					
Peak Efficiency	96.5%				
Europe Efficiency	96.7%	96.7%	96.7%	96.5%	96.5%
MPPT Efficiency	99.9%				
Night Power Consumption (mW)	<50				
Protection Function					
Ground Fault Monitoring, Output Overvoltage Protection, Output Overcurrent Protection, Anti-islanding Protection, Input Reverse Connection Protection, Surge Protection					
Features					
Active Power Regulation, Reactive Power Regulation, High Voltage Ride-through (Optional), Low Voltage Ride-through (Optional), Galvanically Isolated HF Transformer					
Others					
Dimensions (W*H*D, mm)	238*183*33.5				
Enclosure Material	ADC12 Aluminium Alloy				
Weight (kg)	2.8				
Operation Ambient Temperature (°C)	-40~65				
Noise (dB(A))	20				
Type of Isolation	Galvanically Isolated HF Transformer				
Enclosure Rating	IP67				
Cooling	Natural Convection (No Fans)				
Altitude (m)	≤2000				
DC Connector Type	MC4				
Communication	Built-in WiFi ,Sub-1G				

*Design and specifications are subject to change without notice