



# 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



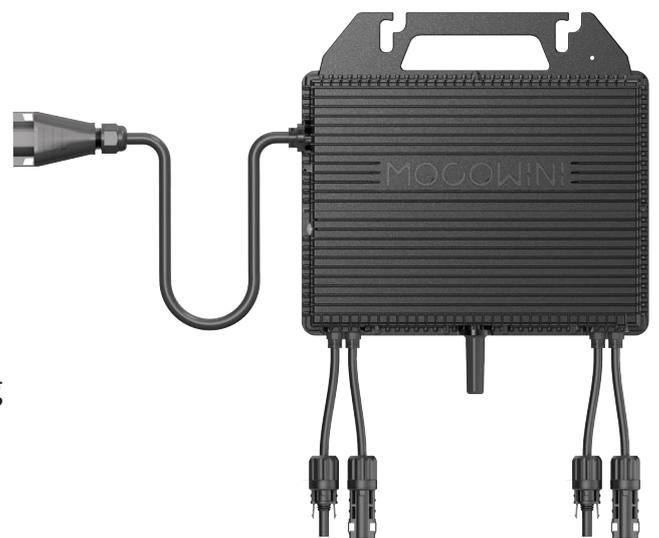
## SMART

Module-level smart real-time monitoring



## PROTECTION

High reliability IP67 enclosure



## M2 Series Technical Specifications

Model	M2-600W	M2-700W	M2-800W	M2-900W	M2-1000W
	M2-600G	M2-700G	M2-800G	M2-900G	M2-1000G
	M2-600WG	M2-700WG	M2-800WG	M2-900WG	M2-1000WG
<b>Input Data (DC)</b>					
Max. Input Voltage (Vdc)	60				
MPPT Voltage Range (Vdc)	16-60				
Start-up Voltage (Vdc)	22				
Max. Input Current I <sub>max</sub> (A)	2*12	2*13	2*14	2*15	2*16
Max. Input Short-circuit Current I <sub>sc</sub> (A)	2*20	2*20	2*20	2*20	2*20
Number of MPPTs	2				
<b>Output Data (AC)</b>					
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	3.46/230	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				
THDi	<3%				
<b>Efficiency</b>					
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				
<b>Protection Function</b>					
Ground Fault Monitoring, Output Overvoltage Protection, Output Overcurrent Protection, Anti-islanding Protection, Surge Protection					
<b>Features</b>					
Active Power Regulation, High/Low Voltage Ride-through					
<b>Others</b>					
Dimensions (W*H*D, mm)	238*223*34				
Enclosure Material	ADC12 Aluminium Alloy				
Weight (kg)	2.9				
Operation Ambient Temperature (°C)	-40~65				
Type of Isolation	Galvanically Isolated HF Transformer				
Enclosure Rating	IP67				
Cooling	Natural Convection (No Fans)				
Altitude (m)	≤2000				
Grid Compliances	VDE-AR-N 4105:2018-11				
Safety/EMC Compliances	EN 62109-1:2010, EN 62109-2:2011, EN 62920:2017+A11:2020+A1:2021, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021				
Protective Class	Class I				
DC Connector Type	MC4				
Communication	Built-in WiFi, Sub-1G, WiFi&Sub-1G				

\*Design and specifications are subject to change without notice