

# MARSTEK

Power Anywhere & Anytime

## SATURN-M MICRO INVERTER



### Powerful Features

500W On-grid  
1 MPPT for 500W PV Input  
600W/800W/1000W On-grid  
2 MPPT for 1kW PV Input  
2000W On-grid  
4 MPPT for 2kW PV Input



### High Efficiency

99.8% MPPT Efficiency  
96.5% Peak Efficiency



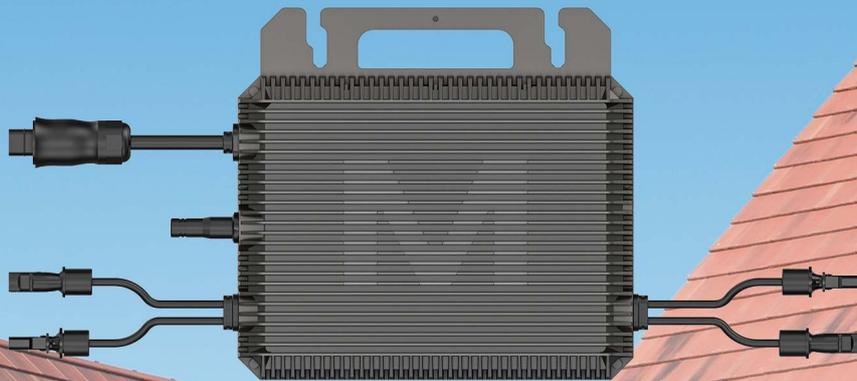
### High Safety

IP67 Waterproof  
10 Years Warranty



### Easy Installation

MC4 Plug & Play



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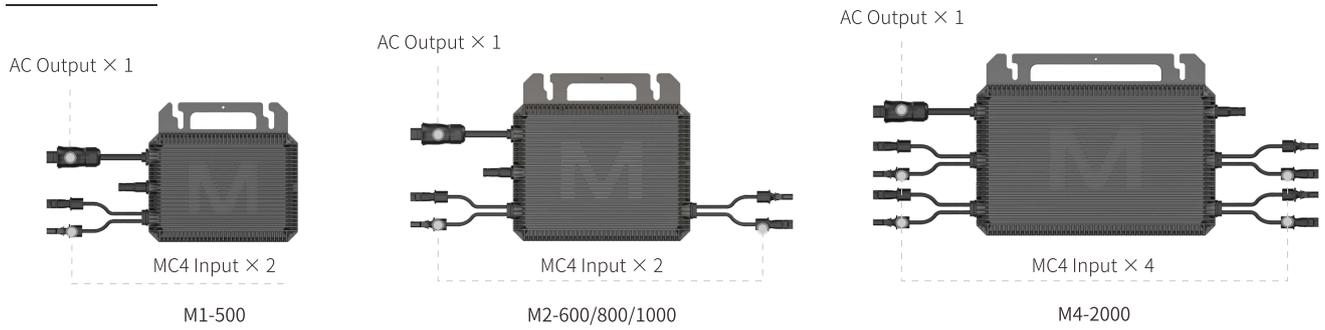
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Product Manual

# SPECIFICATIONS



Model	M1-500	M2-600	M2-800	M2-1000	M4-2000
<b>DC Input</b>					
Max. Input Voltage	60V				
PV Typical Input Power(single-phase)	400W-670W+	240W~405W+	320W~540W+	400W~670W+	400W-670W+
Range of Input Operating Voltage	16V~60V				
Range of Mppt Voltage	25V~55V				
Start-up Voltage	22V				
Max. Input Current(single-phase)	16A×1	16A×2	16A×2	16A×2	16A×4
Max. Short Current(single-phase)	20 A				
MPPT No.	1	2	2	2	4
MPPT Efficiency	99.80%				
<b>AC Output</b>					
Max. Output Power	500W	600W	800W	1000W	2000W
Nominal Output Voltage(AC)	230V				
Output Voltage Range	180V~275V				
Nominal Output Frequency & Range	50Hz / 45~55Hz, 60Hz / 55~65Hz				
Max. Continuous Output Current(AC)	2.2A	2.61A	3.48A	4.35A	8.7A
Max. Efficiency	96.5%				
Output Power Factor	>0.99(Default)				
THD	<3%				
<b>General</b>					
Night Power Consumption	<50mW				
Ingress Protection	IP67				
Over Voltage category	PV: II , Mains:III				
Inverter Topology	Isolated				
Operating Ambient Temp.	-40°C~65 °C				
Cooling Strategy	Natural Convection				
Protective Class	I				
Supported Communication Interface	4G / WIFI				
Size	395×155 ×38mm	565×251×38mm	565×251×38mm	565×251×38mm	655×311×38mm
Weight	2.2kg	3.85kg	3.85kg	3.85kg	6.4kg
Monitoring Platform	MARSTEK Energy				
Maintenance	10 Year				
<b>Additional Data</b>					
On-grid Connection Standard	VDE 4150/0124,TOR R25,NF EN 50549,C10/110,PTPIREE,CEIO-21,UNE 217001,UNE217002,G98,A2LA,DAKKS				
Regulatory/EMC	IEC/EN 62109-1/-2,IEC/EN 61000-6-1/-2/-3/-4,EN 301 489-1/17/52,EN 62920,IEC/EN 61000-3-2/-3, EN 50665,EN 300 328,EN 50549-1				