

# MARSTEK

Power Anywhere & Anytime

## SATURN-M MICRO INVERTER



### Powerful Features

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



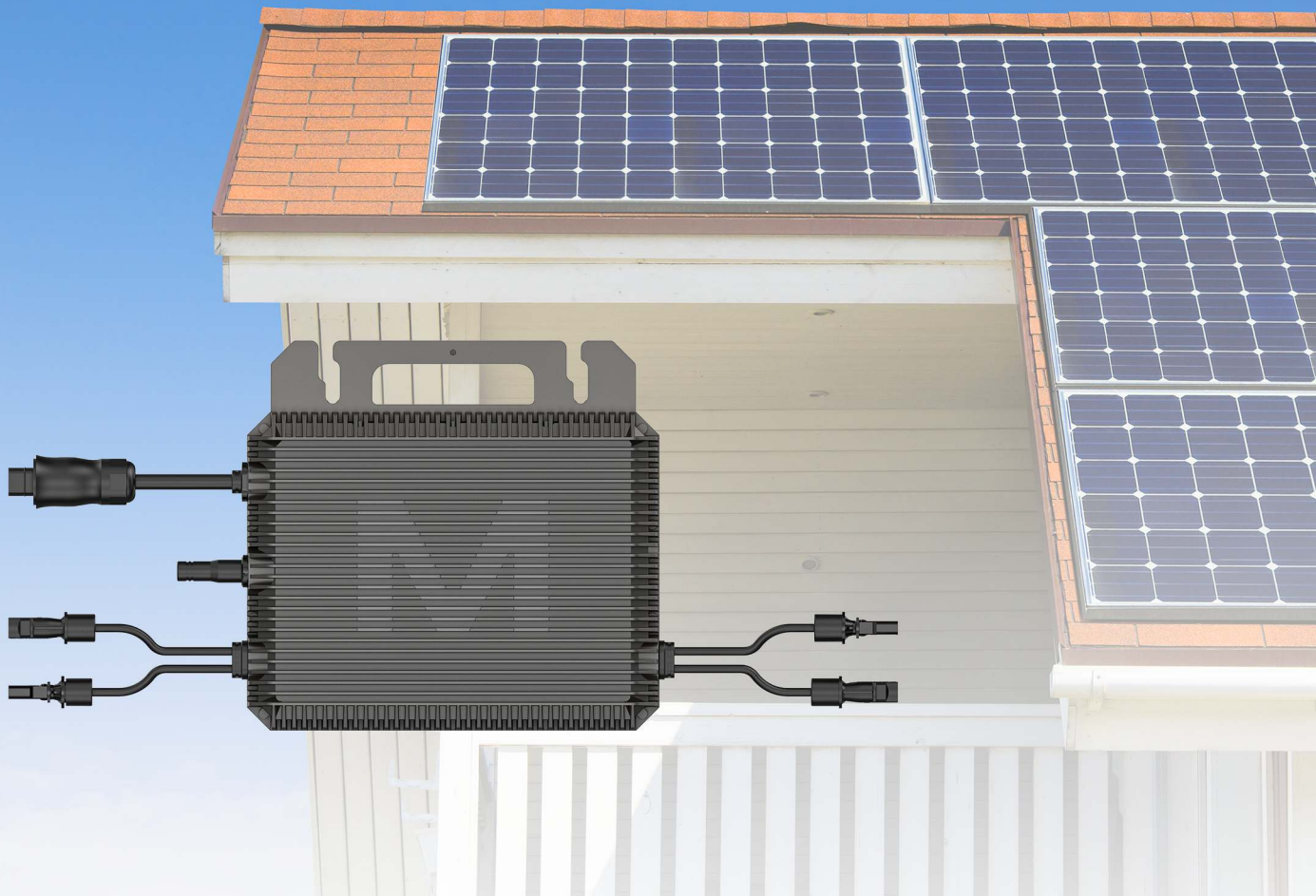
### High Safety

IP67 Waterproof  
10 Years Warranty



### Easy Installation

MC4 Plug & Play



## Marstek Energy Co., Limited

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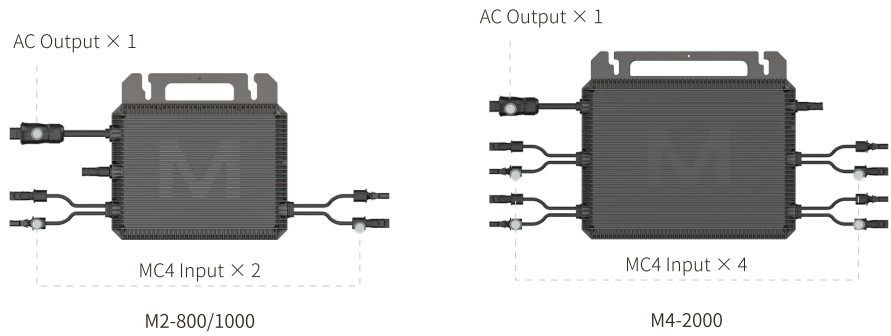
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Product Manual

# SPECIFICATIONS



Model	M2-800	M2-1000	M4-2000
<b>DC Input</b>			
Max. Input Voltage	60V		
PV Typical Input Power(single-phase)	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)	12.5A	14.5A	14.5A
Max. Short Current(single-phase)	20 A		
MPPT No.	2	2	4
MPPT Efficiency	99.80%		
<b>AC Output</b>			
Max. Output Power	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)	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	551×265×37mm	551×265×37mm	655×311×37mm
Weight	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,CEI0-21,UNE 217001,UNE 217002,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		