



# MICRO INVERTER

HCM1600/1800/2000S(W)N



## Reliable

- Comply with the PV rapid shutdown to protect the safety of rooftop PV system
- IP67 degree of protection, adaptable to diverse scenarios

## Efficient

- Module-level MPPT, output power up to 2000 VA
- 16A max. input current, compatible with major 182/210 modules
- 20V start-up voltage, earlier start & later stop
- 150% DC oversizing, minimizing the cost of electricity

## Simple

- Hook type design
- Easy expansion, plug-and-play

## Intelligent

- Support Sub-1G & WiFi communication
- Module-level monitoring
- Remote software upgrade, parameter configuration, alarm fault analysis

# Technical Specifications

Product Model	HCM1600SN HCM1600WN	HCM1800SN HCM1800WN	HCM2000SN HCM2000WN
<b>Input (DC)</b>			
Typical Module Compatibility	320 - 600* W	360 - 670* W	400 - 670* W
Min./Max. MPPT Voltage	16 - 60V		
Max. Input Voltage	65V		
Start-up Input Voltage	20V		
Max. Input Current	4*16A		
Max. Short-circuit DC Input Current	4*20A		
<b>Output (AC)</b>			
Nominal Output Power	1600VA	1800VA	2000VA
Nominal Output Current	7.27A / 6.96A / 6.67A	8.18A / 7.83A / 7.50A	9.09A / 8.70A / 8.33A
Nominal Output Voltage	220V / 230V / 240V		
Adjustable Output Voltage Range	183 - 276V		
Nominal Frequency	50 / 60Hz		
Adjustable Output Frequency Range	45 - 55Hz, 55 - 65Hz		
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging		
THDi	< 3%		
Max. Units Per 10AWG Branch	5 / 5 / 5	4 / 5 / 5	4 / 4 / 4
Max. Units Per 12AWG Branch	4 / 4 / 4	3 / 3 / 4	3 / 3 / 3
<b>Efficiency</b>			
Peak Efficiency	96.70%		
Nominal MPPT Efficiency	99.80%		
Night-time Power Loss	< 30mW		
<b>General Data</b>			
Operating Ambient Temperature	- 40 to + 6 °C		
Dimensions (W*H*D)	310*236*35.5mm		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight	5kg		
<b>Features</b>			
Communication <sup>1</sup>	Sub-1G Built-in WiFi		
Type of Isolation	High frequency transformers, Galvanically isolated		
Warranty	12 years standard, 25 years optional		
<b>Protection</b>			
Input Reverse Connection Protection	Yes		
Output Overcurrent Protection	Yes		
Output Overvoltage Protection	Yes		
Anti-islanding Protection	Yes		
Output Short-circuit Protection	Yes		

Sub-1G: HCM1800/2000SN

Built-in WiFi: HCM1800/2000WN

N indicates meeting the North American market standards

※ Design and specifications are subject to change without notice.

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