



MICRO INVERTER

HCM1800/2000S(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	HCM1800SN HCM1800WN		HCM2000SN HCM2000WN	
Input (DC)				
Typical Module Compatibility (W)	320 - 600+		400 - 670+	
Max. Input Voltage (V)	65			
Min./Max. MPPT Voltage (V)	16 - 60			
Start-up Input Voltage (V)	20			
Max. Input Current (A)	4*16			
Max. Short-circuit DC Input Current (A)	4*20			
Output (AC)				
Peak Output Power (VA)	1,800		2,000	
Max. Continuous Output Power (VA)	1,660		1,920	
Max. Continuous Output Current (A)	6.9	8	8	9.2
Nominal Output Voltage / Range (V) ¹	240/211-264	208/183-228	240/211-264	208/183-228
Nominal Frequency (Hz)	60			
Extended Frequency Range (Hz)	55 - 65			
Power Factor (default / adjustable)	> 0.99 / 0.8 leading...0.8 lagging			
THDi	< 3%			
Max. Units Per 10AWG Branch	4	4	4	3
Efficiency				
CEC Peak Efficiency	96.70%			
Nominal MPPT Efficiency	99.80%			
Night-time Power Loss (mW)	< 30			
General Data				
Operating Ambient Temperature (°C)	- 40 to + 65			
Dimensions (W*H*D mm)	310*236*35.5			
Degree of Protection	Outdoor-IP67 (NEMA6)			
Cooling	Natural cooling - No fans			
Weight (kg)	5			
Features				
Communication ²	Sub-1G Built-in WiFi			
Type of Isolation	High frequency transformers, Galvanically isolated			
Warranty	25 years			
Protection				
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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