



MICRO INVERTER

HCM300/400/500S(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 500 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	HCM300SN HCM300WN		HCM400SN HCM400WN		HCM500SN HCM500WN	
Input (DC)						
Typical Module Compatibility (W)	240 - 450+		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)	2*16					
Max. Short-circuit DC Input Current (A)	2*20					
Output (AC)						
Peak Output Power (VA)	300		400		500	
Max. Continuous Output Power (VA)	274		360		475	
Max. Continuous Output Current (A)	1.1	1.3	1.5	1.7	2	2.3
Nominal Output Voltage / Range (V) ¹	240/211-264	208/183-228	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	28	24	21	18	16	14
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)	188*178*25					
Degree of Protection	Outdoor-IP67 (NEMA6)					
Cooling	Natural cooling - No fans					
Weight (kg)	1.7					
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: HCM300/400/500SN

Built-in WiFi: HCM300/400/500WN

N indicates meeting the North American market standards

※ Design and specifications are subject to change without notice.

Ver 1.0-202401



MICRO INVERTER

HCM600/700/800/900/1000 S
HCM600/700/800/900/1000 W

Reliable

- Low-voltage operation below 60V
- Built-in relay for physical disconnection
- IP67 degree of protection, adaptable to diverse scenarios

Efficient

- Module-level MPPT, output power up to 1000 VA
- 16A max. input current, compatible with 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

Product Model	HCM600S HCM600W	HCM700S HCM700W	HCM800S HCM800W	HCM900S HCM900W	HCM1000S HCM1000W
Input (DC)					
Typical Module Compatibility	240 - 450* W	280 - 525* W	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	2*16A				
Max. Short-circuit DC Input Current	2*20A				
Output (AC)					
Nominal Output Power	600VA	700VA	800VA	900VA	1000VA
Nominal Output Current	2.73A / 2.61A / 2.5A	3.18A / 3.04A / 2.92A	3.64A / 3.48A / 3.33A	4.09A / 3.91A / 3.75A	4.55A / 4.35A / 4.17A
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	14 / 15 / 16	12 / 13 / 13	10 / 11 / 12	9 / 10 / 10	8 / 9 / 9
Max. Units Per 12AWG Branch	10 / 11 / 12	9 / 9 / 10	8 / 8 / 9	7 / 7 / 8	6 / 6 / 7
Efficiency					
Peak Efficiency	96.70%				
Nominal MPPT Efficiency	99.80%				
Night-time Power Loss	< 30mW				
General Data					
Operating Ambient Temperature	- 40 to + 65°C				
Dimensions (W*H*D)	252*180*35mm				
Degree of Protection	IP67				
Cooling	Natural Cooling - No fans				
Weight	3kg				
Features					
Communication ¹	Sub-1G Built-in WiFi				
Type of Isolation	High frequency transformers, Galvanically isolated				
Warranty	12 years standard, 25 years optional				
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: HCM600/700/800/900/1000S ,
Built-in WiFi: HCM600/700/800/900/1000W

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Ver 1.1-202406



HIITIO[®]

MICRO INVERTER

HCM1600/1800/2000S
HCM1600/1800/2000W

Reliable

- Low-voltage operation below 60V
- Built-in relay for physical disconnection
- IP67 degree of protection, adaptable to diverse scenarios

Efficient

- Module-level MPPT, output power up to 2000 VA
- 16A max. input current, compatible with 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

Product Model	HCM1600 S HCM1600 W	HCM1800 S HCM1800 W	HCM2000 S HCM2000 W
Input (DC)			
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		
Output (AC)			
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
Efficiency			
Peak Efficiency	96.70%		
Nominal MPPT Efficiency	99.80%		
Night-time Power Loss	< 30mW		
General Data			
Operating Ambient Temperature	- 40 to + 65°C		
Dimensions (W*H*D)	310*236*35.5mm		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight	5kg		
Features			
Communication ¹	Sub-1G Built-in WiFi		
Type of Isolation	High frequency transformers, Galvanically isolated		
Warranty	12 years standard, 25 years optional		
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: HCM1600/1800/2000S ,
Built-in WiFi: HCM1600/1800/2000W

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