



M4 Series Microinverter

M4-1600/1800/2000



SAFETY

Low DC 60V voltage, no arc risk



EFFICIENCY

High efficiency and DC input current



COMMUNICATION

MESH networking with wide coverage



SMART

Module-level smart real-time monitoring



FLEXIBILITY

Adapts to any system size and optimizes space



M4 Series Technical Specifications

Model	M4-1600W M4-1600G M4-1600WG	M4-1800W M4-1800G M4-1800WG	M4-2000W M4-2000G M4-2000WG
Input Data (DC)			
Max. Input Voltage (Vdc)	60		
MPPT Voltage Range (Vdc)	16-60		
Start-up Voltage (Vdc)	22		
Max. Input Current I _{max} (A)	4*14	4*15	4*16
Max. Input Short-circuit Current I _{sc} (A)	25		
Number of MPPTs	4		
Output Data (AC)			
Output Data (AC)	1600	1800	2000
Nominal/Max. Apparent Power (VA)	1600/1600	1800/1800	2000/2000
Max. Active Power (W)	1600	1800	2000
Nominal Output Current (A/V)	7.27/220	8.18/220	9.09/220
	6.96/230	7.83/230	8.70/230
	6.67/240	7.50/240	8.33/240
Nominal Voltage/Range (V)	220/230/240		
Nominal Frequency/Range (Hz)	50/60		
Power Factor	>0.99		
THDi	<3%		
Efficiency			
Peak Efficiency	96.5%		
MPPT Efficiency	99.9%		
Night Power Consumption (mW)	<50		
Protection Function			
Ground Fault Monitoring, Output Overvoltage Protection, Output Overcurrent Protection, Anti-islanding Protection, Input Reverse Connection Protection, Surge Protection			
Features			
Active Power Regulation, High/Low Voltage Ride-through (Optional)			
Others			
Dimensions (W*H*D, mm)	334*262*43		
Enclosure Material	ADC12 Aluminium Alloy		
Weight (kg)	5.15		
Operation Ambient Temperature (°C)	-40~65		
Noise (dB(A))	20		
Type of Isolation	Galvanically Isolated HF Transformer		
Enclosure Rating	IP67		
Cooling	Natural Convection (No Fans)		
Altitude (m)	≤2000		
Grid Compliances	IEC 61727, IEC 62116, PORTARIA N° 140		
Safety/EMC Compliances	IEC 62109-1/2, IEC 61000-6-1/2/3/4, IEC61000-3-2/3		
DC Connector Type	MC4		
Communication	Built-in WiFi, Sub-1G, WiFi&Sub-1G		

*Design and specifications are subject to change without notice