



M-1000 / M-2000 MICROINVERTERS SPECIFICATION SHEET



DC Input Data	M-1000 M-2000	
Recommended Input Power (STC)	210~600 W	210~600 W
Max Input DC Voltage	60V	60V
Operating DC Voltage Range	20~60V	20~60V
MPPT Voltage Range	25~55V	25~55V
Max DC Short Circuit Current	16A	16A
Max Input Current	12.5A x 2	12.5A x 4

General	M-1000 M-2000	
Dimensions (H x W x D)	8.35x 9.01x 1.57 in	
Interconnecting Cable Length (m)	4m	
Weight	7.72 lbs	11.46 lbs
Enclosure	NEMA 6	
Ambient Temperature	-40~65°C, >45°C Derating	
Installation Style	Panel Mounted	
Wi-Fi Communication	Included	
Standard Warranty	25 Years	
Cooling	Natural Convection	

AC Output Data	M-1000 M-2000	
Rated Output Power	1000 W	2000 W
Maximum Output Power	1100 W	2200 W
Rated Output Current	4.8A	9.6A
Maximum Output Current	5.1A	10.1A
Nominal Voltage / Range	208V/240V 176V~265V	
Nominal Frequency	50/60Hz	
Extended Frequency / Range	45~55Hz/ 55~63Hz	
Power Factor	>0.99	
Max Units Per Branch	4	3
Max Operating Altitude Allowed	< 4000m	
Max Inverter Backfeed Current to the Array	0A	
Max Output Fault Current	10A	

Efficiency	M-1000 M-2000
CEC Weighted Efficiency	95%
Peak Inverter Efficiency	96.5%
Static MPPT Efficiency	99%
Night-Time Power Consumption	50 mW = 0.05 W



M-1000 / M-2000 MICROINVERTERS



	Sol-Ark M-1000	Sol-Ark M-2000	Enphase IQ7A	Enphase IQ8	Chilicon Power / Generac CP-720	AP Systems QS1
# ch	2	4	1	1	2	4
Watts	1000	2000	366	380	720	1200
Street Price \$	\$397	\$614	\$185	\$250	\$252	\$325
Cabling costs \$ / micro	included		\$18		\$26	\$29
Cost for 12 panels x 440W	\$2,382	\$1,842	\$2,436	\$3,000	\$1,668	\$1,062
Cost of internet Gateway	included		\$543	\$543	\$510	\$252
Total Costs =	\$2,382	\$1,842	\$2,979	\$3,543	\$2,178	\$1,314
\$/W =	\$0.40	\$0.31	\$0.68	\$0.78	\$0.50	\$0.37
Max recommended input power	600W		460W	500W	430W	375W
Peak Efficiency	96.5%		97.0%	97.0%	96.7%	96.5%
Night Power Consumption	50mW				100mW	30mW
Customer Satisfaction Rating / Reviews	5.0 x 130		3.5 x 26		4.0 x 8	2.5 x 11