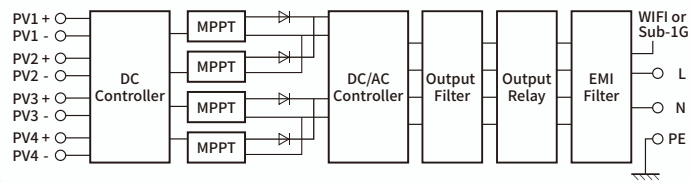


VM Series

VM2000 2100 2250W/B-P4



HIGHER YIELDS

60°C full power operation
Great performance in low sunlight



SAFETY&RELIABILITY

RSD Compliance
IP67



FLEXIBLE INSTALLATION

4-in-1 design enables faster installation
and comes with a lower cost



FOUR INDEPENDENT MPPT

Independent MPPT ensures greater
energy harvest, resulting in higher returns



STRONG COMMUNICATION

Encrypted WiFi/Sub-1G Solution
for Residential & Commercial

Technical Specifications

VM-P4

Model	VM2000B-P4	VM2100B-P4	VM2250B-P4
	VM2000W-P4	VM2100W-P4	VM2250W-P4
Input Data (DC)			
Commonly Module Power (W)	400 to 670+	400 to 670+	400 to 700+
Operation Voltage Range (V)		14-63	
MPPT Voltage Range (V) ¹		20-60	
Start-up Voltage (V)		18	
Maximum Input Voltage (V)		63	
Maximum Input Current (A)	4x16	4x16	4x17
Maximum Input Short Circuit Current (A)		4x25	
DC portbackfeed current (A)		0	
Overvoltage class DC port		II	
Number of MPPTs		4	
Number of Inputs per MPPT		1	
Output Data (AC)			
Rated Output Power (VA)	2000	2100	2250
Rated Output Current (A)	8.7	9.1	10
Maximum Units per 6mm ² Branch ²		4	
Maximum Units per 4mm ² Branch ²		3	
Nominal Output Voltage (V) ³		220, 230, 240 / 180 ~ 280	
Nominal Frequency (Hz)		50/60	
Output overcurrent protection		Yes	
Current inrush (A)		0	
Overvoltage class AC port		III	
Power Factor (adjustable)		>0.99(default)	
Total Harmonic Distortion		<3%	
Efficiency			
CEC Peak Efficiency	96.60%	96.60%	96.50%
Nominal MPPT Efficiency		99.80%	
Nighttime Power Consumption (mW)		< 50	
Packing Configuration			
Container		20'GP / 40'HQ	
Pieces/Pallet		960*1015	
Pallets per Container		24 / 48	
Pieces per Container		1728 / 4032	
General Data			
Ambient Temperature Range (°C)		-40 to +65	
Dimensions (W x H x D mm)		425 x 260 x 36.5	
Weight (kg)		5.5	
Enclosure rating		Outdoor IP67 (NEMA 6)	
Relative humidity		0 ~ 100%, No Condensing	
Max. operation altitude (m)		2000	
Pollution degree		III	
Cooling		Natural Convection (no fans)	
Communication		WIFI(W-P4) / Sub-1G(B-P4)	
Monitoring		VIP Cloud ⁴	
Type of Isolation		Galvanically Isolated	
Compliance	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1/-2/-3/-4, EN50549-1: 2019, VDE-AR-N 4105: 2018, CEI0-21, TOR Erzeuger, R25: 2019, EN 300 220-1/-2, EN300328, EN301489-1/-3/-17, EN62311, C10/11, PN-EN50549-1: 2019, NC-RfG, ORDINANCE 140/2022, ABNT NBR 16149:2013 ABNT NBR 16150:2013, ABNT NBR IEC 62116:2012, IEC 62109-2:2011, IEC 62891:2020, PORTARIA INMETRO		

*1 The output power may vary with the output voltage.

*2 Refer to local requirements for exact number of microinverters per branch.

*3 Nominal voltage/frequency can vary depending on local requirements.

*4 VaySunic Intelligent Power Monitoring System.