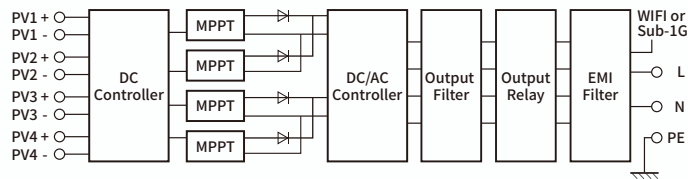


# VM Series

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
<b>Input Data (DC)</b>			
Commonly Module Power (W)	400 to 670+	400 to 670+	400 to 700+
Operation Voltage Range (V)		14-63	
MPPT Voltage Range (V) <sup>1</sup>		14-63	
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	
<b>Output Data (AC)</b>			
Rated Output Power (VA)	2000	2100	2250
Rated Output Current (A)	8.7	9.1	10
Maximum Units per 6mm <sup>2</sup> Branch <sup>2</sup>		4	
Maximum Units per 4mm <sup>2</sup> Branch <sup>2</sup>		3	
Nominal Output Voltage (V) <sup>3</sup>		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%	
<b>Efficiency</b>			
CEC Peak Efficiency	96.60%	96.60%	96.50%
Nominal MPPT Efficiency		99.80%	
Nighttime Power Consumption (mW)		< 50	
<b>Packing Configuration</b>			
Container		20'GP / 40'HQ	
Pieces/Pallet		1280*1100	
Pallets per Container		16 / 36	
Pieces per Container		1920 / 5040	
<b>General Data</b>			
Ambient Temperature Range (°C)		-40 to +65	
Dimensions (W x H x D mm)		335 x 263 x 40	
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 <sup>4</sup>	
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.