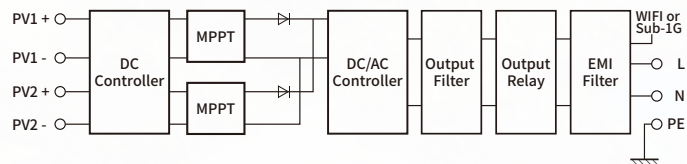


VM Series

VM600 700 800 900 1000WE/BE-P2



HIGHER YIELDS

3hrs More Generation
65 °C full power operation



SAFETY&RELIABILITY

RSD Compliance
IP67



FLEXIBLE INSTALLATION

3 hooks designed for
multiple applications



STRONG COMMUNICATION

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

Technical Specifications

VM-P2

Model	VM600BE-P2	VM700BE-P2	VM800BE-P2	VM900BE-P2	VM1000BE-P2
	VM600WE-P2	VM700WE-P2	VM800WE-P2	VM900WE-P2	VM1000WE-P2
Input Data (DC)					
Commonly Module Power (W)	240 to 410+	270 to 460+	330 to 550+	350 to 610+	390 to 680+
Operation Voltage Range (V)			14-63		
MPPT Voltage Range (V) ¹			14-63		
Start-up Voltage (V)			18		
Maximum Input Voltage (V)	63	63	63	63	63
Maximum Input Current (A)	2x18	2x18	2x18	2x18	2x18
Maximum Input Short Circuit Current (A)	2x25	2x25	2x25	2x25	2x25
DC port backfeed current (A)			0		
Oversoltage class DC port			II		
Number of MPPTs			2		
Number of Inputs per MPPT			1		
Output Data (AC)					
Rated Output Power (VA)	600	700	800	900	1000
Rated Output Current (A)	2.61	3.04	3.48	3.91	4.35
Maximum Units per 10AWG Branch ²	12	10	9	8	7
Maximum Units per 12AWG Branch ²	7	6	5	5	4
Nominal Output Voltage (V) ³			230/240		
Nominal Frequency (Hz)			50		
Maximum output overcurrent protection (A)			6.5		
Maximum output fault current (A)			6.5		
Current inrush (A)			0		
Oversoltage class AC port			III		
Power Factor (adjustable)			>0.99(default)		
Total Harmonic Distortion			<3%		
Efficiency					
CEC Peak Efficiency	96.80%	96.80%	96.80%	96.60%	96.60%
Nominal MPPT Efficiency			99.80%		
Nighttime Power Consumption (mW)			< 50		
Packing Configuration					
Container			20'GP / 40'HQ		
Pieces/Pallet			1100*1100		
Pallets per Container			20 / 40		
Pieces per Container			2800 / 6400		
General Data					
Ambient Temperature Range (°C)			-40 to +65		
Dimensions (W x H x D mm)			361 × 222 × 36.5 (including 3 hooks)		
Weight (kg)			3.26		
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(VM WE-P2) / Sub-1G(VM BE-P2)		
Monitoring			VaySunic 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				

*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 Monitoring System.