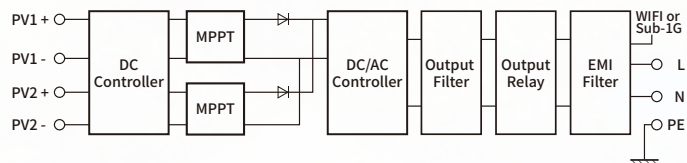


VM Series

VM600 700 800 900 1000WE/BE-P2



HIGHER YIELDS

3hrs More Generation
65 °C full power operation



SAFETY&RELIABILITY

RSD Compliance
IP67



FLEXIBLE INSTALLATION

Plug-and-Play design enables
faster installation



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 portbackfeed current (A)	0				
Overvoltage 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				
Overvoltage 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)	274 x 222 x 36.5				
Weight (kg)	3.22				
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(WE-P2) / Sub-1G(BE-P2)				
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, CEIO-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 Intelligent Power Monitoring System.