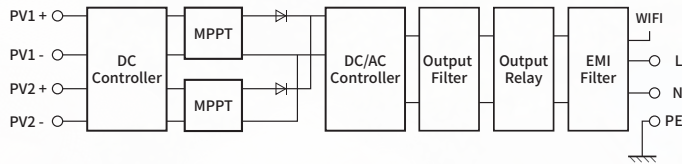


# SolarCore Series

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 Solution for  
Residential & Commercial

# Technical Specifications SolarCore Series



Model	VM600BE-P2	VM700BE-P2	VM800BE-P2	VM900BE-P2	VM1000BE-P2
	VM600WE-P2	VM700WE-P2	VM800WE-P2	VM900WE-P2	VM1000WE-P2
<b>Input Data (DC)</b>					
Commonly Module Power (W)	240 to 410W+	270 to 460W+	330 to 550W+	350 to 610W+	390 to 680W+
Operation Voltage Range (V)			14-63V		
MPPT Voltage Range (V) <sup>1</sup>			16-60V		
Start-up Voltage (V)			18V		
Max. Input Voltage (V)			63V		
Max. Input Current (A)			2x18A		
Max. Input Short Circuit Current (A)			2x25A		
DC Portbackfeed Current (A)			0		
Oversvoltage Class DC Port			II		
Number of MPPTs			2		
Number of Inputs per MPPT			1		
<b>Output Data (AC)</b>					
Rated Output Power (VA)	600VA	700VA	800VA	900VA	1000VA
Rated Output Current (A)	2.61A	3.04A	3.48A	3.91A	4.35A
Max. Units per 2.5mm <sup>2</sup> Branch <sup>2</sup>	7	6	5	5	4
Max. Units per 4mm <sup>2</sup> Branch <sup>2</sup>	12	10	9	8	7
Nominal Output Voltage (V) <sup>3</sup>			230 / 240V		
Nominal Frequency (Hz)			50Hz		
Max. Output Overcurrent Protection (A)			6.5A		
Max. Output Fault Current (A)			6.5A		
Current Inrush (A)			0		
Oversvoltage Class AC Port			III		
Power Factor (adjustable)			>0.99 (default)		
Total Harmonic Distortion			<3%		
<b>Efficiency</b>					
CEC Peak Efficiency	96.80%	96.80%	96.80%	96.60%	96.60%
Nominal MPPT Efficiency			99.80%		
Nighttime Power Consumption (mW)			<50mW		
<b>Packing Configuration</b>					
Container			20'GP / 40'HQ		
Pieces/Pallet			1100 * 1100 * 120mm		
Pallets per Container			20 / 40		
Pieces per Container			2800 / 5880		
<b>General Data</b>					
Ambient Temperature Range (°C)			-40 to +65°C		
Dimensions (W x H x D mm)			274 x 222 x 36.5mm (Metal Housing)		
Weight (kg)			3.22kg		
Zero Injection			Supported (Optional)		
Enclosure Rating			Outdoor IP67 (NEMA 6)		
Relative Humidity			0 ~ 100%, No Condensing		
Max. Operation Altitude (m)			2000m		
Pollution Degree			III		
Cooling			Natural Convection (no fans)		
Communication			WiFi(WE-P2) / Sub-1G(BE-P2)		
Monitoring			VIP Cloud <sup>4</sup>		
Type of Isolation			Galvanically Isolated		
Compliance	EN/IEC62109-1/2, EN/IEC61000-6-1/-2/-3/-4, EN/IEC62311:2020, EN50665:2017, EN50549-1:2019, EN50549-10:2022, EN300328, EN301489-1/-17, VDE-AR-N4105:2018, CEI0-21:2022-03/V1:2022-11, G98/1-7:2022				

\*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 VaySonic Intelligent Power Monitoring System.