



SolarCore VM-P4

VM2000W-P4 / VM2100W-P4 / VM2250W-P4

Four Modules, One Microinverter



FROM
2,000–2,250 W
Rated output, 3 models



4
Independent MPPTs



700+ W_p
Compatible module power



99.8 %
MPPT efficiency



App
Monitoring via VIP Cloud

Safety and Durability



IP67 (NEMA 6)
Outdoor-rated metal housing



-40 to 65 °C¹
Operating ambient range



Fanless Design
Natural convection cooling



Low-Voltage DC
Max. 61 V per module input



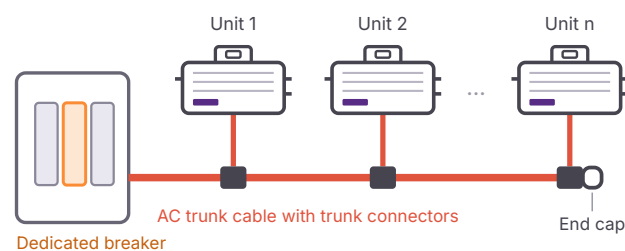
Galvanic Isolation
Isolated DC and AC sides



Global Compliance
Europe, APAC and LATAM standards

AC Connection For rooftop arrays, with fewer units and connections per kW.

Distribution Board Units in series on one AC trunk cable



Monitoring and Control



VIP Cloud App
Live output and yield history over Wi-Fi



Zero Export
Feed-in limited with EnergyPilot



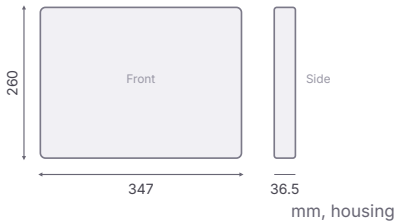
Storage Ready
Add PowerCube or SolarHub later

¹ Output may derate at high temperatures.

Values were measured in the VaySunic laboratory under specific test conditions and may vary in actual use. Images are for reference only.

Model	VM2000W-P4	VM2100W-P4	VM2250W-P4
PV Input (DC)			
Compatible Module Power (Wp) ¹	400–670+	400–670+	400–700+
MPPTs / Inputs per MPPT	4 / 1		
Operating / MPPT Voltage Range (V)	14–61 / 20–60		
Start-up / Max. Input Voltage (V)	18 / 61		
Max. Input / Short-Circuit Current (A)	18 / 25 per MPPT		
DC Backfeed / Overvoltage Category	0 A / II		
AC Output			
Rated Output Power (VA) ²	2,000	2,100	2,250
Rated Output Current (A)	8.8	9.2	9.9
Nominal Voltage (Range) / Frequency ³	220–240 V (180–275 V) / 50 / 60 Hz		
Max. Output Overcurrent / Fault Current (A)	13.9 / 13.9		
Inrush Current / Overvoltage Category	0 A / III		
Power Factor / Total Harmonic Distortion	> 0.99 (default), adjustable / < 3%		
Max. Units per Branch (4 / 6 mm ²) ⁴	3 / 4	3 / 4	3 / 4
Efficiency			
Peak Efficiency	96.6%	96.6%	96.5%
MPPT Efficiency / Night Consumption	99.8% / < 50 mW		
General Data			
Dimensions (W × H × D) / Weight	347 × 260 × 36.5 mm / 5.1 kg		
Housing / Ingress Protection	Metal / IP67 (NEMA 6), outdoor		
Operating Ambient Temperature	–40 to 65 °C (derating at high temperatures)		
Relative Humidity / Max. Altitude	0–100%, non-condensing / 2,000 m		
Pollution Degree / Cooling	III / Natural convection, fanless		
Isolation	Galvanically isolated		
Communication / Monitoring	Wi-Fi (2.4 GHz) / VIP Cloud		
Zero Export Control	Via EnergyPilot local EMS controller (optional)		
Units per Container (20' GP / 40' HQ)	2,208 / 4,608		

Dimensions



Standards Compliance

Grid	EN 50549-1:2019 · EN 50549-10:2022 · ABNT NBR 16149 · ABNT NBR 16150 · ABNT NBR IEC 62116 (BR) · IEC 61727 · IEC 62116 · PEA / MEA approved lists (TH)
Safety	IEC/EN 62109-1 · IEC/EN 62109-2 · EN 50665:2017 · EN IEC 62311:2020
Radio and EMC	RED 2014/53/EU · EN 300 328 · EN 301 489-1 / -17 · IEC/EN 61000-6-1 / -2 / -3 / -4

Certification status varies by model and market. Contact VaySunic for the certificates of a specific model.

1 Recommended module power per MPPT input. Check module Voc at the lowest site temperature against the maximum input voltage.
2 Rated output is stated in VA; at the default power factor (> 0.99) it equals the output in W. Output power may vary with the grid voltage.
3 Nominal voltage, frequency and ranges are set to the local grid code. Grid feed-in power may be limited by local regulations.
4 By AC cable cross-section. Always follow local requirements for the number of microinverters per branch.