

Technical Specifications of Microinverter

Model	VM600W-P2	VM700W-P2	VM800W-P2	VM900W-P2	VM1000W-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+
MPPT Voltage Range(V) ¹			33-48		
Start-up Voltage (V)			20		
Maximum Input Voltage (V)	63	63	63	63	63
Maximum Input Current (A)	2x13	2x14	2x15	2x16	2x17
Maximum Input Short Circuit Current (A)	2x25	2x25	2x25	2x25	2x25
DC port backfeed current (A)			0		
Overtoltage 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) ¹			50		
Maximum output overcurrent protection(A)			6.5		
Maximum output fault current(A)			6.5		
Current inrush(A)			0		
Overtoltage 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			40'HQ / 20'HQ		
Pieces/Pallet			150 / 150		
Pallets per Container			40 / 20		
Pieces per Container			6000 / 3000		
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			Sub-1G		
Monitoring			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 APP