



Photo for Reference

Part number	
PR-GW-MIN1.6K/1.8K/2K-4M1P	Single phase Solar Micro Inverter with Max. Continuous Output Power of 1600W/1800W/2000W, 4MPPT

Features
4-in-1 design for multi-angle rooftop
4 MPP trackers, module-level MPPT, Module-level monitoring
Wi-Fi mesh networking
AC protection relay integrated
IP67 ingress protection
22V startup voltage

PR-GW-MIN	1.6K-4M1P	1.8K-4M1P	2K-4M1P
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Input

Commonly Used Module Power (W)	320 to 535+	360 to 600+	400 to 670+
Max. Input Voltage (V)	65		
MPPT Operating Voltage Range (V)	16~60		
Start-up Voltage (V)	22		
Max. Input Current (A)	4 × 16		
Max. Input Short Circuit Current (A)	4 × 25		
Number of MPP Trackers	4		
Number of Inputs per MPPT	1		

Output

Max. Continuous Output Power (VA)	1600	1800	2000
Nominal Output Voltage (V)	1 / N / PE, 220 / 230 / 240		
Output Voltage Range (V)	180 ~ 275		
Nominal Output Frequency (Hz)	50 / 60		
Nominal Output Frequency (Hz)	50 / 60		
AC Grid Frequency Range (Hz)	50 / 60 ±5		
Max. Continuous Output Current (A)	7.27@220V 6.96@230V 6.67@240V	8.18@220V 7.83@230V 7.50@240V	9.09@220V 8.70@230V 8.33@240V
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%		
Max. Units Per 4mm ² Branch	2		
Max. Units Per 6mm ² Branch	4		

Efficiency

Max. Efficiency	96.4%
Nominal MPPT Efficiency	99.8%
Night Power Consumption (W)	0.05

Protection

PV Insulation Resistance Detection	YES
PV Reverse Polarity Protection	YES

Anti-islanding Protection	YES
AC Overcurrent Protection	YES
AC Short Circuit Protection	YES
AC Overvoltage Protection	YES
Type III AC Surge Arrester	YES

General Data

Operating Temperature Range (°C)	-40 ~ +65
Derating temperature (°C)	45
Storage Temperature (°C)	-40 ~ +85
Cooling Method	Natural convection
Weight (kg)	6
Dimensions (W × H × D mm)	330.5x266.7x42.5
Ingress Protection Rating	IP67
DC Connector	MC4
Communication	Built-in Wi-Fi and Bluetooth
Topology	Galvanically Isolated HF Transformer
Monitoring	SEMS
Warranty	12 Years Standard; 25 Years Optional
Compliance	EN 62109-1:2010, EN 62109-2:2011, IEC 62109-1:2010, IEC 62109-2:2011, UTE C15-712-1:2013, DIN VDE 0126-1-1:2013, ENIEC 61000-6-3:2021, EN 61000-6-3:2007+A1:2011+AC:2012, ENIEC 61000-6-4:2019, EN 61000-6-4:2007+A1:2011, AS/NZS 61000.6.3:2012, AS/NZS 61000.6.4:2020, BS EN IEC 61000-6-3:2021, BS EN 61000-6-3:2007+A1:2011, BS ENIEC 61000-6-4:2019, BS EN 61000-6-4:2007+A1:2011, EN 61000-2-2:2002+A2:2019, IEC 61000-2-2:2018(ed.2.2), EN IEC 61000-6-1:2019, EN 61000-6-1:2007, EN IEC 61000-6-2:2019, EN 61000-6-2:2005+AC:2005, BS ENIEC 61000-6-1:2019, BS EN IEC 61000-6-2:2019

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