



photovoltaic power generation system

MLPH-600+

BIFACIAL MODULE WITH DUAL GLASS



High Reliability: 25-Year Long-Term Power Generation, and Integrated Design Minimizes Failures at the Source

- ◆ IP67 Waterproof Performance and 25-Year Long-Life Verification
- ◆ Factory Pre-connection Process Enhances Reliability



Easy to Install: Revolutionary Deployment Process Enables Non-Professionals to Get Started Quickly

- ◆ Integrated Design and Pre-connection Simplify the Installation Process, Significantly Improving Installation Efficiency
- ◆ APP Intelligent One-Click Multi-Device Network Configuration



More Power Generation: Independent Optimization for Each Module Maximizes Returns Even Under Shading

- ◆ Low Capacity Ratio and Full Power Output Characteristics
- ◆ Stable Power Output in High-Temperature Environments
- ◆ Module-Level Independent MPPT Optimization



Modular Design: Unlimited Flexible Expansion, Adapting to All Scenario Requirements

- ◆ System Advantages of Independent Power Generation Units
- ◆ Flexible Expansion and Environmental Adaptability

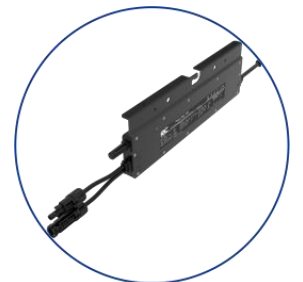


Absolute Safety: Eliminate the risk of electric shock from the source

- ◆ 60V Safe DC Voltage Protection
- ◆ Fire Risk Control Without DC Arcs

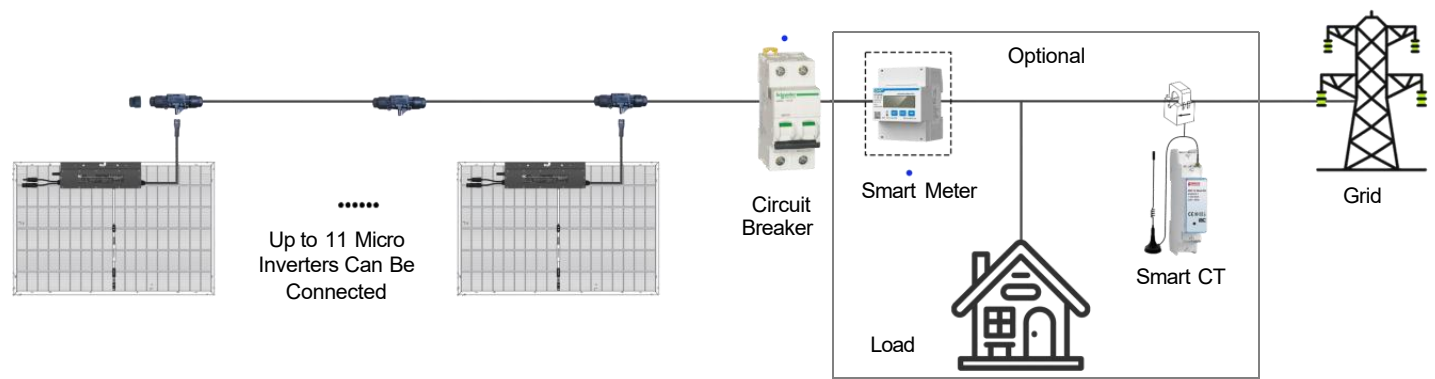


Module-Inverter
Integration



Ultra-Thin Micro
Inverter

System Applications



Specification

Module DC Specifications				
Max.Power-Pmax(Wp)		610W	620W	630 W
Max.Power Voltage-Vmp(V)		40.29	40.60	40.91
Max.Power Current-Imp(A)		15.14	15.27	15.40
Open-circuit Voltage-Voc(V)		48.43	48.75	49.07
Short-circuit Current-Isc(A)		15.80	15.96	16.10
Module efficiency(%)		22.6	23.0	23.3
Max. system voltage	1500Vdc			
Module Dimension	2382*1134*30mm			
Module Weight	32.0±0.5KG			
Inverter Input				
Peak power MPPT voltage range (V)		34-52		
Operating voltage range (V)		18-60		
Maximum input voltage (V)		60		
Maximum input current (A)		20		
Inverter Output				
Maximum continuous output power (VA)		600		
Maximum continuous output current (A)		2.8		
Nominal output voltage/Range (V)		220V/207-253V		
Adjustable Output Voltage Range(V)		187V-265V		
Nominal frequency/Range (Hz)		60/59.3-60.5Hz, 50/48-51Hz		
Adjustable Output Frequency Range(Hz)		45Hz-65Hz		
Power factor (adjustable)		0.99/0.8 leading...0.8 lagging		
Peak convert efficiency		>95%		
CEC weighted efficiency		>94%		
Nominal MPPT efficiency		>99.8%		
Ambient temperature range (°C)		-40~ + 65		
Dimensions (W × H × D [mm])		353* 108.4*21.5		
Weight (kg)		1.5		
Communication		Wi-Fi /802.11b/g/n 2.4GHz		
Ingress protection		IP67		
Compliance		VDE 0124,CEI 0-21,VDE 0126, RD 1663, RD1699, EN50549-1, EN50549-10,VDE4105, UNE217001/ UNE217002/ RD647, NB/T 32004		