



WL-300
WL-350
WL-400

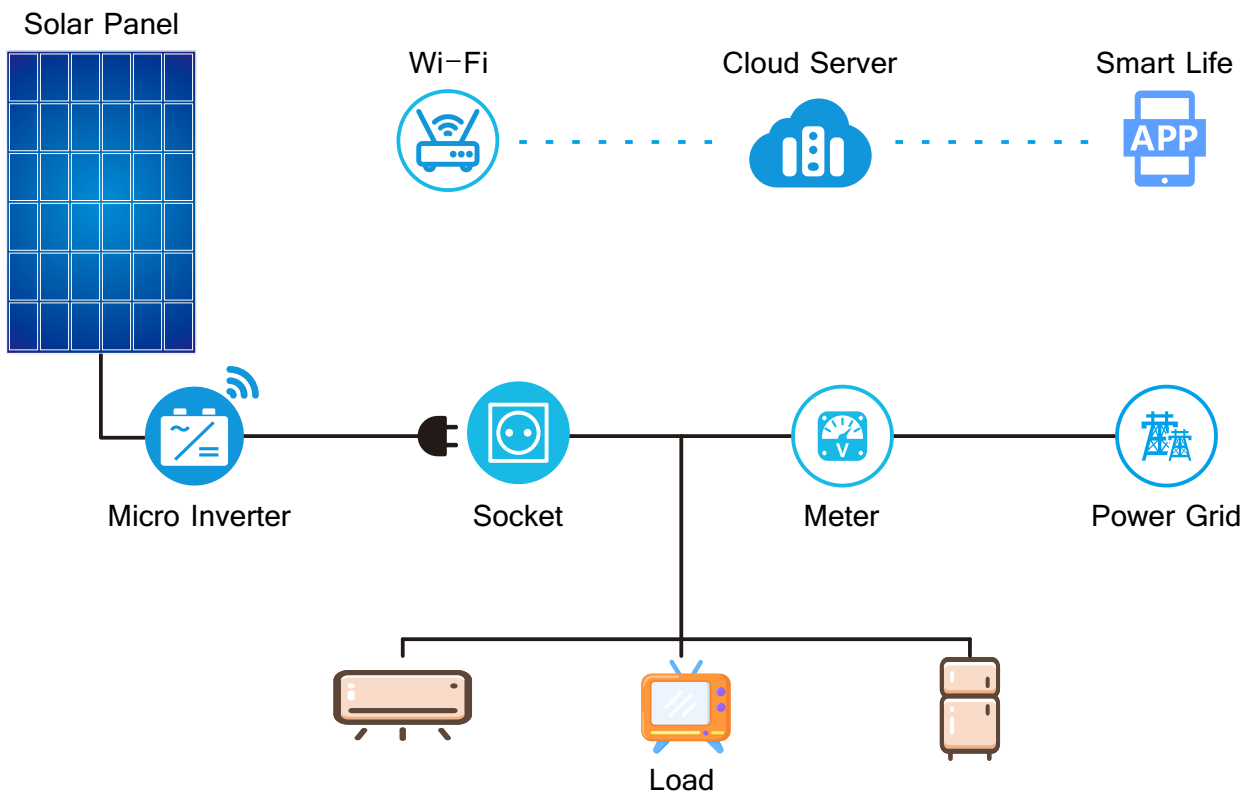


Smart Life





SYSTEM STRUCTURE AND MONITORING MODE

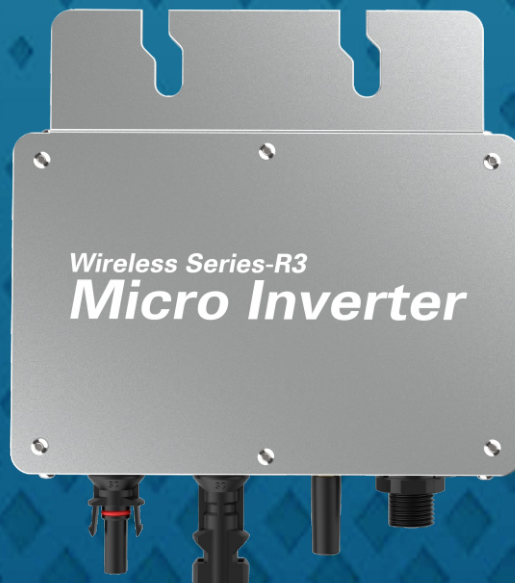


Plug and play, the user will connect the corresponding terminals, and the system will automatically enter the intelligent power supply mode according to the current load operation. When the installation position of the inverter is within the effective Wi-Fi coverage, it can also be connected to the "smart life" "APP, customers can remotely monitor and control equipment

Micro Inverter

Continuous stability & higher efficiency

SUPPORTS REMOTE QUERY AND CONTROL VIA MOBILE PHONE, AND CAN MANAGE MULTIPLE DEVICES UNDER THE SAME ACCOUNT. COMPATIBLE WITH IOS AND ANDROID SYSTEMS, EASY TO SHARE FAMILY MANAGEMENT.



A BETTER MICROINVERTER

NEW MODEL OF MICRO INVERTER LAUNCHED

APP remote monitoring real-time data display
One machine, one secret, cloud data storage

Widest output voltage range of 85-265V
Automatic voltage recognition everywhere

Hand in hand multiple parallel stacking mode
Expansion is not restricted by conditions

Excellent low-light lockout (APL)
Works even in bad weather

Reverse transmission technology
Up to 93% efficiency or more

Waterproof grade IP65
Effectively prevent rain erosion



FEATURES:

- Built-in Wi-Fi communication Smart Life app control
- Wide voltage input (22-60VDC)
- Reverse transmission technology, load priority is used
- Output power is adjustable
- Wide voltage output function
- Automatic voltage conversion function
- Automatic detection of AC 0-angle phase
- Output pure sine wave
- Automatic sunlight sensing function
- Automatic Power Lock (APL)
- Automatically adapt to different load power factors
- Constant current and constant power output
- Grid fault limits output (anti-islanding effect)
- Current limit protection
- Mixed stack of multiple machines
- Built-in power statistics
- Built-in highly integrated NA protection switch
- Over temperature load reduction function
- Automatic power factor compensation
- Solar panel leakage detection/alarm function



The latest generation of Micro Inverters supports balcony solar systems, ground solar systems, and rooftop solar systems. The system can be expanded and installed directly at any time and anywhere without changing the original configuration.

PARAMETERS

DC Input

Model	WL-300	WL-350	WL-400
Maximum Input Power	Max 375W	Max 435W	Max 500W
Mppt Voltage Range (Module Open Circuit Voltage)	30~60V		
Starting Voltage	>22V d.c.		
Working Voltage Range	22-60V d.c.		
Maximum Input Current	13.7A	16A	18A
Maximum Input Short Circuit Current	15A	18A	20A
Maximum Feedback Current Of The Array	0A		

AC Output

Model	WL-300	WL-350	WL-400
Maximum Output Power	300VA	350VA	400VA
Rated Output Current	@120V 2.5A @230V 1.3A	@120V 2.9A @230V 1.5A	@120V 3.3A @230V 1.7A
Nominal Output Voltage Range	@120V a.c. (e.g. Japan, North America, etc.) @230V a.c. (e.g. Europe)		
Nominal Frequency Range	50Hz/60Hz		
Power Factor	> 0.99 default 0.95 leading...0.95 lagging		
Harmonic Distortion Of Output Current	<5%		
Maximum Number Of Connections Per Branch	@120V 15 Pcs @230V 25Pcs	@120V 15 Pcs @230V 25Pcs	@120V 15 Pcs @230V 25Pcs

Efficiency, Safety and Protection

Model	WL-300	WL-350	WL-400
Peak Microinverter Efficiency	92.70%		
CEC weighted efficiency	92.50%		
Nominal MPPT Efficiency	99.80%		
Night power consumption (mW)	0		

Mechanical Data

Model	WL-300	WL-350	WL-400
Ambient temperature range	-20 to +50°C		
Storage temperature range	-20 to +50°C		
Dimensions (L×W×H)	165×176×38mm		
Weight	0.82kg		
Waterproof level	Outdoor Nema 3r (IP65)		
Cooling method	Natural cooling (no fan)		
Degree of pollution	PD3		

Feature

Model	WL-300	WL-350	WL-400
Power Delivery Mode	Reverse transmission, load priority		
Communication method	WiFi		
Rated transmit power	802.11b: +17dBm ± 1.5dBm (@11Mbps) 802.11g: +15dBm ± 1.5dBm (@54Mbps) 802.11n: +14dBm ± 1.5dBm (@HT20, MCS7)		
Surveillance system	Smart Life		
Warranty	5 years		
Electrical Standard	EN 55011:2016+A2:2021;BS EN 55011:2016+A2:2021 CISPR 11:2015/AMD2:2019; EN IEC 61000-3-2:2019+A1:2021; EN IEC 62311:2020 BS EN IEC 61000-3-2:2019+A1:2021; EN 301 489-1 V2.2.3 (2019-11);IEEE 1547A:2014 EN 301 489-17 V3.2.4 (2020-09); EN 300 328 V2.2.2 (2019-07); DIN VDE V 0126-1-1 (VDE V 0126-1-1):2013-08; VDE-AR-N 4105 (VDE-AR-N 4105):2011-08; DIN VDE V 0124-100 (VDE V 0124-100):2012-07; IEC 62109-1:2010; IEC 62109-2:2011 DIN VDE 0126-1-1 (VDE V 0126-1-1):2013-08 VFR 2019 UL 1741:2010 Ed.2+R:16Sep2020 CSA C22.2#107.1:2016 Ed.4 ABNT NBR 16149:2013;ABNT NBR 16150:2013 ABNT NBR IEC 62116:2012 ANEXO III – parte 2, Portaria n,º 357, de 01 de agosto de 2014		
Bluetooth	2402-2480MHz Bluetooth EIRP Power (Max.) 7.89dBm		
Wifi 2.4G	2412-2472MHz Wifi 2.4G EIRP Power (Max.) 18.08dBm		

*Note: Voltage and frequency ranges may exceed nominal values if required by the utility company.

Package

WL-300/WL-350/WL-400	Single (packaging)	FCL (15 units)
G.W.	1.05Kg	16.2Kg
size	245×202×60mm	450×395×345mm