

# Green Energy Product Application

## Energy-efficient Building

Energy-efficient building materials, efficient lighting systems, energy management systems and renewable energy applications are used to achieve energy savings and environmental friendliness in buildings.



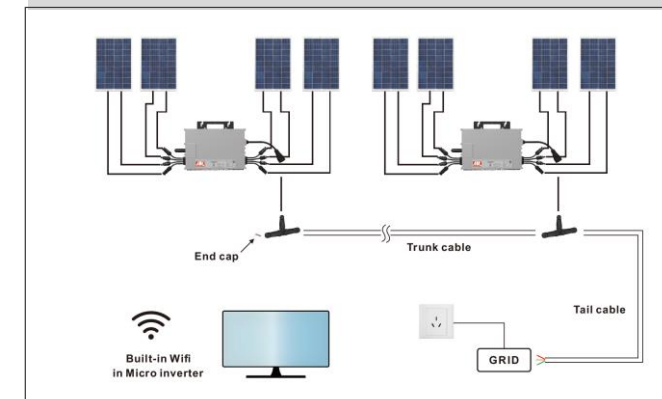
## Renewable Energy

Convert wind and solar energy into electricity and cooperate with the energy storage system for power scheduling and utilization to promote sustainable development.



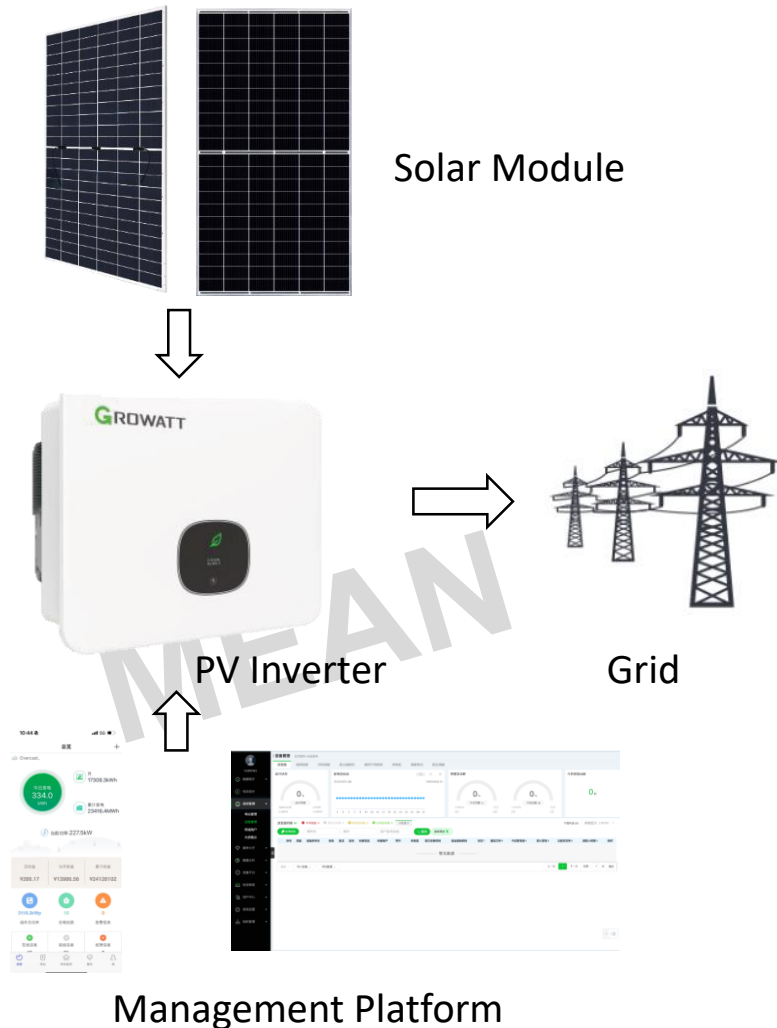
## Household Green Electricity

Combine PV inverters with solar modules to construct a household green electricity application system, achieving clean and environmentally friendly practices, and helping to achieve green living.



New product

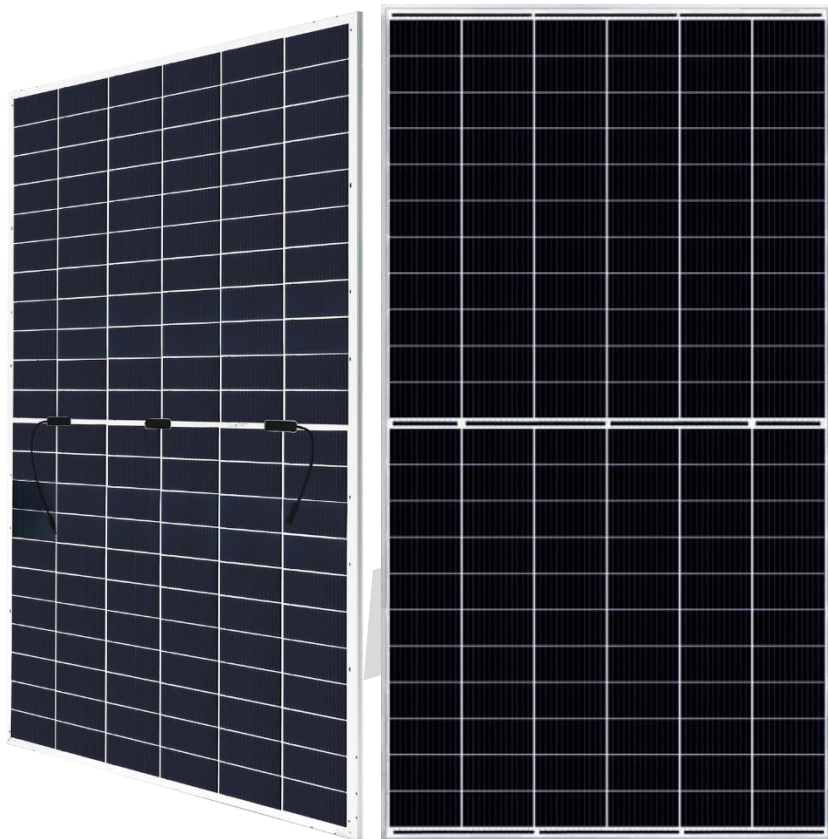
# Distributed Photovoltaic Solutions



- N-type TOPCon module power up to 600W, Bifacial module power up to 715W
- Leading warranty: 30 years power warranty, first year attenuation  $\leq 1\%$ , annual linear attenuation  $\leq 0.4\%$
- Three-phase String Inverter, with multiple power options of 25/50/110KW, flexible matching
- Maximum efficiency of 98.8%, electric power generation
- Many MPPTs to achieve higher system efficiency
- Intelligent string monitoring, Online operation & maintenance
- Web/APP monitoring platform for efficient viewing and management of power plants

New product

## Photovoltaic Module



Module power	Up to 715W
--------------	------------

Module efficiency	Up to <b>23%</b>
-------------------	------------------

Module size	2384 × 1303 × 33mm
-------------	--------------------

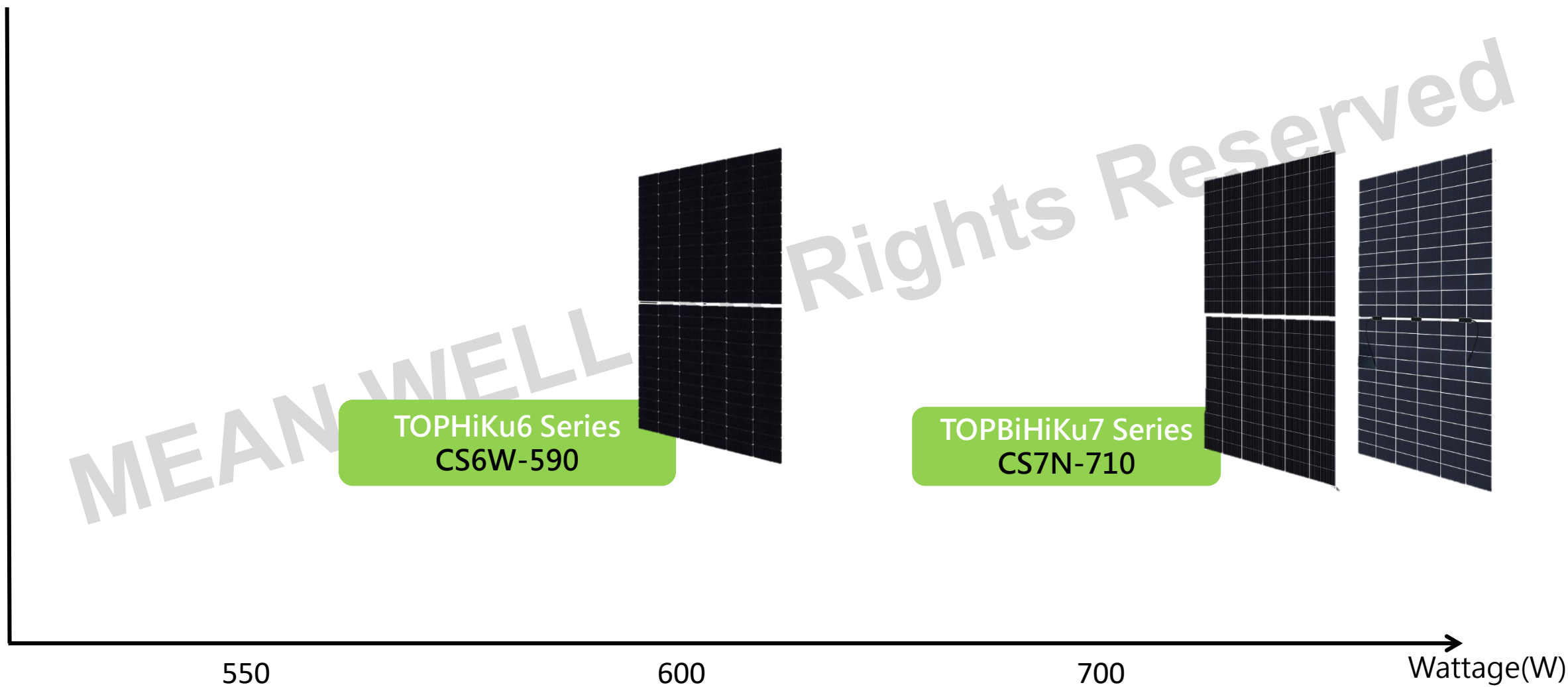
### TOPBiHiKu7 N-type TOPCon Bifacial Module

- Module front power up to 715W, efficiency up to 23%, power bifaciality up to 85%, 18BB battery technology, increase light absorption, current collection and power
- **Leading warranty: 30 years power warranty**, first year attenuation  $\leq 1\%$ , annual linear attenuation  $\leq 0.4\%$
- Lower temperature coefficient ( $P_{max}$ ):  $-0.29\%/^{\circ}\text{C}$ , which guarantees higher power generation in extreme temperature areas
- Excellent anti-LeTID & anti-PID performance
- Heavy snow load up to 5400 Pa, wind load up to 2400 Pa

# Road Map

## Photovoltaic Module

※ Please click on series names for related specifications.



# Photovoltaic Inverter

The main function of photovoltaic grid-connected inverters is to convert the direct current generated by the photovoltaic modules into alternating current, and feed the electric energy into the grid.

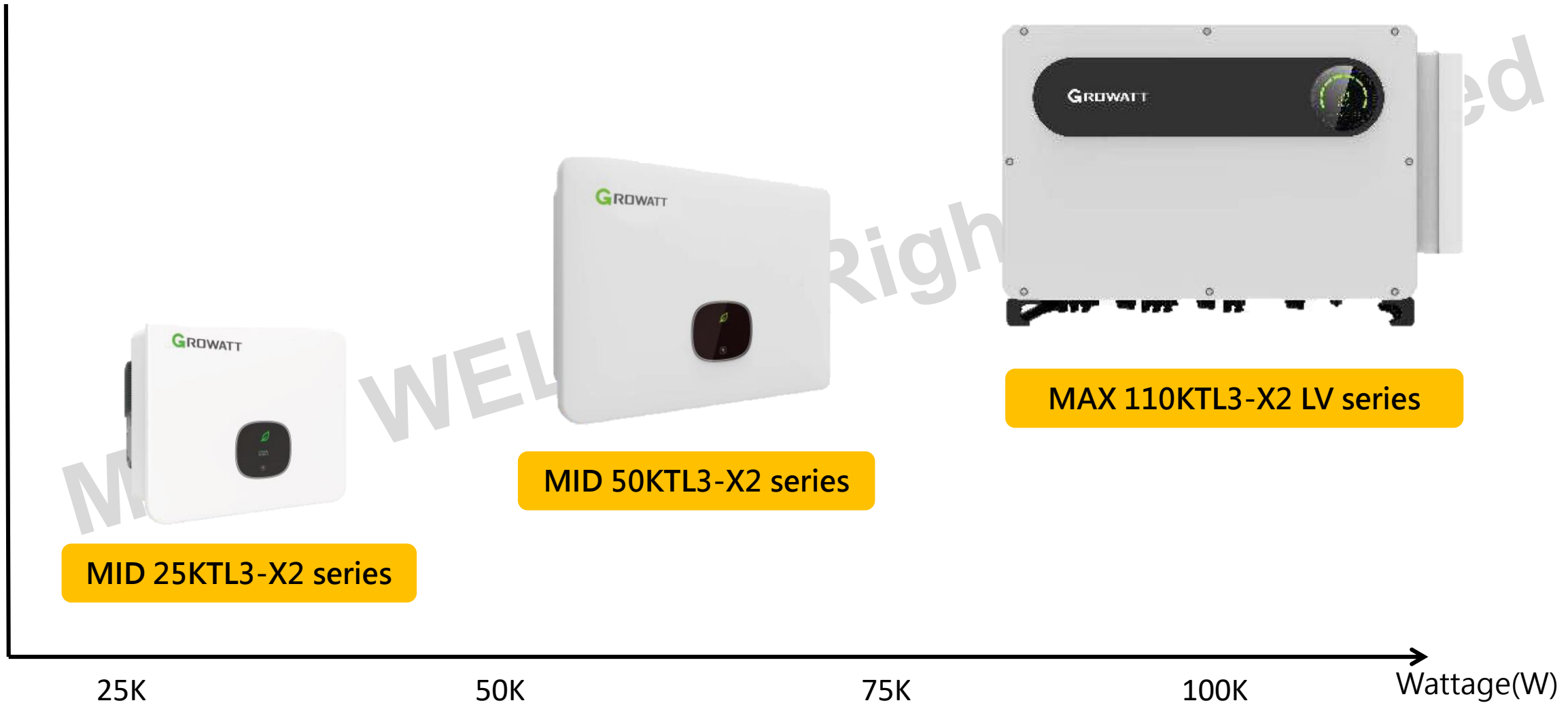


- Three-phase String Inverter
- Maximum efficiency of 98.8%, electric power generation
- Many MPPTs to achieve higher system efficiency
- IP66 protection for harsh environment
- Supports aluminum cable, Save communication cable costs
- Intelligent string monitoring, Online operation & maintenance
- OLED display, touch buttons, simple and easy to use
- Type II SPD on DC and AC sides

# Road Map

## Photovoltaic Inverter

※ Please click on series names for related specifications.





# New product

## MPPT Controller



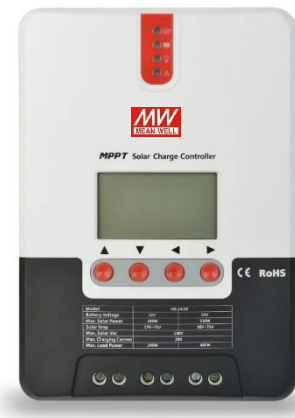
The MPPT solar charge and discharge controller can instantly detect the generation power of the solar panel and track the maximum voltage current value (VI), so that the system can charge the battery at the maximum power output. Used in solar off-grid photovoltaic system, coordinate the work of solar panels, batteries and loads, is the core control component of off-grid photovoltaic system.

- Can be connected to both PV, battery and load
- Multiple load operating modes to meet diverse needs
- Supports multiple battery types
- Natural cooling, absolutely quiet
- MPPT with up to 99% efficiency
- Support solar panel 2 in series/more in parallel
- Complete charge and discharge protection mechanism
- Supports RS232 、 RS485

# Road Map

## MPPT Controller

※ Please click on series names for related specifications.



PV-ML24 series  
20-40A



PV-ML48 series  
30-60A

10

20

30

40

50

60

70

Current(A)



# Micro Inverter



The micro inverter can convert the direct current generated by the photovoltaic module into alternating current and be incorporated into the power grid, with the advantages of high efficiency, high reliability, high flexibility, high security and easy monitoring and management.

- True sine wave output (THD<5%)
- MPPT tracking efficiency up to 99.5%
- CEC weighted average efficiency up to 96.5%
- Maximum DC input voltage is 60V
- Equipped with various protections such as GFDI, surge protection
- IP67 protection level
- -40°C to 65°C operating temperature
- APP monitoring, built-in wifi communication methods
- Automatic high temperature and fault alarm, precise positioning of fault points
- Plug and play installation, simple and convenient

# Road Map

## Micro Inverter

※ Please click on series names for related specifications.



PV-SMI-1000 series



PV-SMI-2000 series

1000

2000

Wattage(W)