



# Off Grid Solar Solutions

2022



POWERED BY  
PROME



## Smart Energy around the world

When you expand your vision, in near future, IOT ( Internet of things ) will change our world dramatically. It is not only new technology, but also it is the revolution like the industrial revolution. Look at our surroundings, smart devices are around us.

Smart Energy technology is based on these new technologies. With Deep learning, Big Data, AI, Knowledge Graph etc. developing faster, Smart energy will boom further. New times is comming soon.

We shouldn't miss it.





# What's Smart Energy

## Definition

Multi-point information monitoring and big data platform, Smart monitoring, Smart scheduling, Smart Maintenance, , energy efficiency statistical analysis, energy saving management, etc. for the equipment connected to the system

## Aim

To create good economic and social benefits for customers

## Application







## Mission Statement

Our mission is to create excellent smart products, including Inverter, Storage system, Smart remote monitoring, Smart Maintenance via Big Data etc.

## About US

HK Prome Smart Science Ltd. has been registered in HK, which aims to achieve the goal that make new energy become more affordable and help those people who can't use electricity. Equity is our pursue in the world.



## Application For Off Grid Inverter

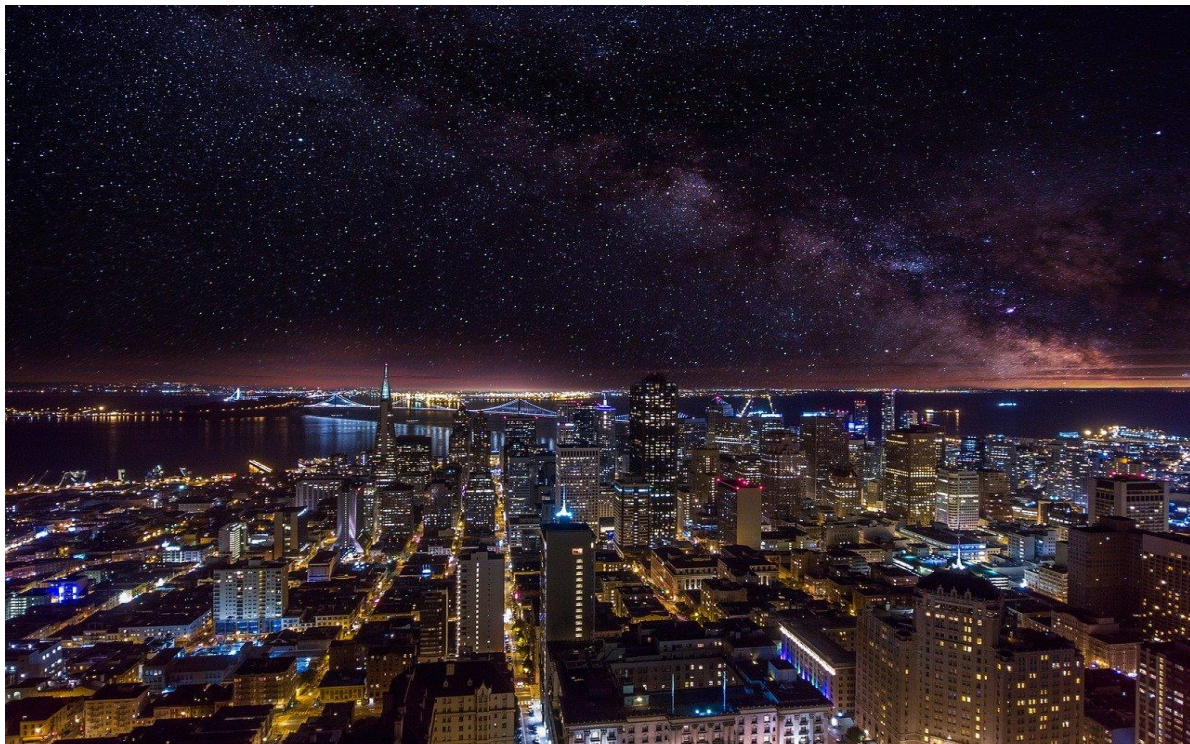


Wifi module Solution

GPRS Solution







Here is WIFI Module Solution for Off grid inverters

Remote monitoring and controlling

All data and parameters are saved in iCloud



## WIFI MODULE Solution

Off grid inverter

### Main Features

- Remote monitoring and control
- Available for iOS and Android-based device
- All data and parameters are saved in iCloud



Inverter ID	
Basic information	Product Information
AC voltage	0.0 V
AC frequency	0.0 Hz
Battery voltage	24.90 V
Battery capacity	80 %
Charging current	---
Battery discharge current	0 A
Output voltage	230.1 V
Output power	0 W
Load percentage	0 %

## Ideal Wifi Module for solar power

### Wifi Module

Wifi Communication Protocol	802.11 b/g/n
Hardware Encryption WEP, WPA/WPA2	WEP, WPA/WPA2
Wifi Operation Frequency	2.4G
Wifi Wireless Gain	2.5dBi
Wifi Communication Distance	100 meters (open space)
Maximum Transmit Rate of Wifi	72Mbps

Maximum Transmit Power of Wif  
Software WatchDog  
Network Layer Communication Protocol  
Working Mode  
Parameter Setting  
External Power Input  
Power Consumption  
Operating Temperature  
Operating Humidity  
Storage Temperature  
Dimension, D x W x H (mm)  
Net Weight (g)

18.5dbm (70mW)  
Yes  
Modbus TCP  
AP/STA  
Mobile APP  
5V-12V  
2 watt (max.)  
-20°C ~ 75°C  
0 ~ 95%  
-30°C ~ 80°C  
28 x 46 x 172  
120









## **PROME SMART SCIENCE Ltd. HK**



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