# FusionSolar

24h Green Power
Home Solution

**HUAWEI**

PHOTOVOLTAICS

inter solar award 2019 WINNER

'The most significant developments and pioneering solutions in the solar industry...'
-2019 InterSolar, Munich, Germany

## Smart PV Optimizer
SUN2000-450W-P
Power optimization of each module

## Smart Dongle-4G/WLAN-FE
Connect up to 10 inverters
to the FusionSolar Portal

## Smart Power Sensor
DDSU666-H (Single Phase)
DTSU666-H 100A (Three Phase)
DTSU666-H 250A/50mA (Three Phase)
Manage power export limitation

## Smart ESS
LUNA2000-5/10/15-S0
Modular design with energy optimizer

☑ *Battery Ready*

（Single Phase）
SUN2000-2/3/3.68/4/4.6/5/6KTL-L1

（Three Phase）
SUN2000-3/4/5/6/8/10KTL-M0

### Smart Energy Center
Convert solar energy into electricity to power your house
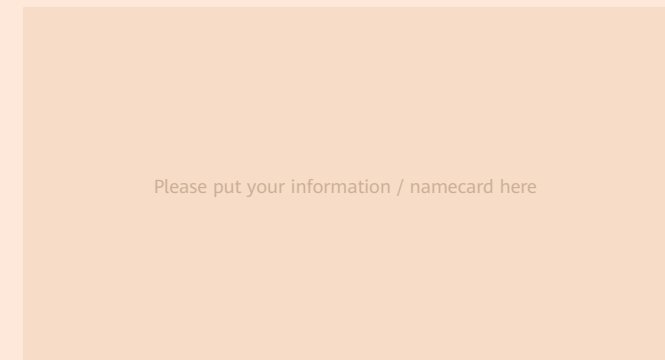
### FusionSolar Smart PV Management System
Web Portal & App

## Get FusionSolar
with *peace in mind*

Excellent product quality with extendable
warranty to protect your investment

Standard 10 Years Warranty
Extendable to Max. 20 Years

Available Now

2 Years Warranty

2 Years Warranty

25 Years Warranty

10 years warranty

### Where to buy

Please put your information / namecard here

### Contact Us

in Huawei FusionSolar

Huawei FusionSolar

f @HuaweiFusionSolar

@HuaweiSolar

community.solar.huawei.com

# Know
## Huawei with 6 Numbers

**170+**
Countries & regions with Huawei products and services

**194,000**
Huawei employees worldwide

**FORTUNE 500** 2018
**49**
Fortune Global 500

**Interbrand**
**61**
Interbrand's Top 100 Best Global Brands

**130GW+**
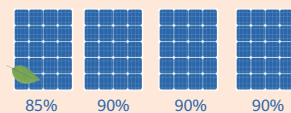Huawei inverters deployed worldwide

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# Optimal Electricity Cost
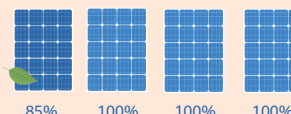
## Up to 30%
More Energy by Optimizing Each Module's Performance

**Without optimizer**
All modules' performance is limited by the weakest one.

Shading   Azimuth   Tilt

85%   90%   90%   90%

**With optimizer**
Each module can achieve its best performance independently for higher yields.

85%   100%   100%   100%

## Modular Design
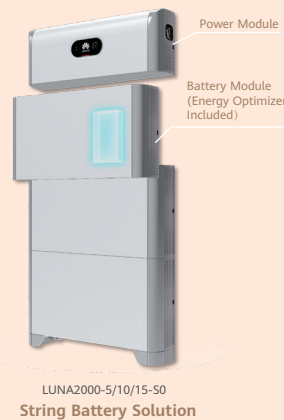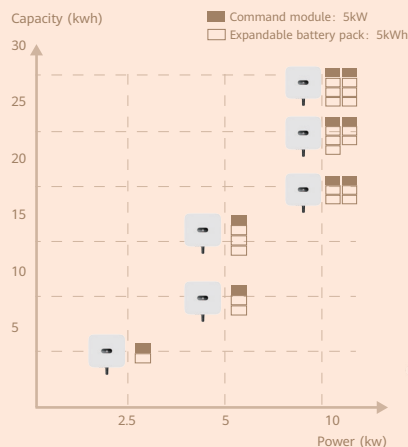### For Flexible Investment

**Flexible**
5kWh per pack scalable for flexible investment

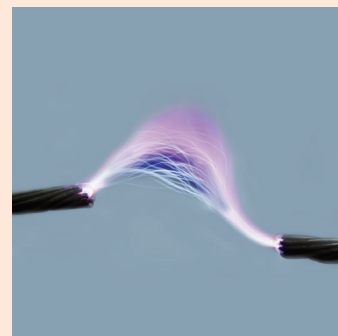**High Capacity**
Up to 2 system operates in parallel, max 30kWh

**Fast Charge**
max 5KW charge/discharge power per system

Capacity (kwh)

■ Command module: 5kW
□ Expandable battery pack: 5kWh

30
25
20
15
10
5

2.5   5   10
Power (kw)

Power Module

Battery Module
(Energy Optimizer Included)

LUNA2000-5/10/15-S0
**String Battery Solution**

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# Active Safety

### DC Arc Fault Has Been Found the Major Cause of Fire in PV System

**What is Arc Fault?**
Electrical breakdown of air that produces a prolonged electrical discharge.

**What is the harm?**
Temperature reaching above 3000℃, easily causes fires.

**Where Does Arc Fault Occur in PV System?**
- Loosen or incompatible PV connectors
- Broken PV cables

## AI Powered Active Arcing Protection

**What is AI Powered AFCI (Arc Fault Circuit Interrupter)?**

HUAWEI inverter keeps self-learning new arc feature to accurately protect system from arc fault, even under complex noise.
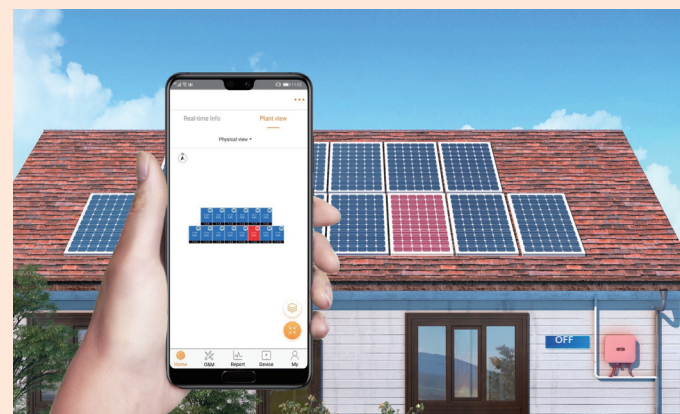
**AI BOOST**

**Accurate**
Accurate arc fault detection via local neural network algorithm

**Speedy**
Speedy arc fault protection by inverter shutdown in 2.5s

**Smart**
Pinpoint arc fault positioning, saving 80% onsite troubleshooting time and cost
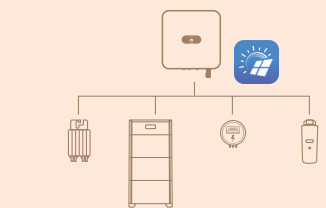
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# Better Experience

## One-Fits-All
**Solution, Easier Business**

- One optimizer fits most of poly & mono PV module in the market (450w/80v)
- One inverter fits both on grid and off grid operating (via backup box)
- One battery model fits both single & three phase residential inverters.
- One app detects & configures all affiliated system components automatically
- One service window for all system components on pre & after sales.

One Battery   One Optimizer

One APP   One Inverter

**HUAWEI**

## System Devices Auto Detection in App

All inverter connected devices can be automatically detected in FusionSolar App

| | HUAWEI | Other Solution |
|---|---|---|
| System Configuration Time | One App to automatically setup all devices 1.5-3 mins | Multiple App or Web tools to manually set up devices 30-60 mins |

## <5sec
### Module Auto-Mapping by AI Image Recognition

| | HUAWEI Solutions | |
|---|---|---|
| Physical view creation | <5sec (AI BOOST) | 15min (manual) |

Note: 10kw system <5s

**AI BOOST**