


# FusionSolar


Residential Smart PV Solution




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 250A/50mA (Three Phase)  
Manage power export limitation



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



**Battery Ready**



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



(Three Phase)  
SUN2000-3/4/5/6/8/10/KTL-M1

**Smart Energy Controller**  
Convert solar energy into electricity to power your house

**FusionSolar Smart PV Management System**  
Web Portal & App

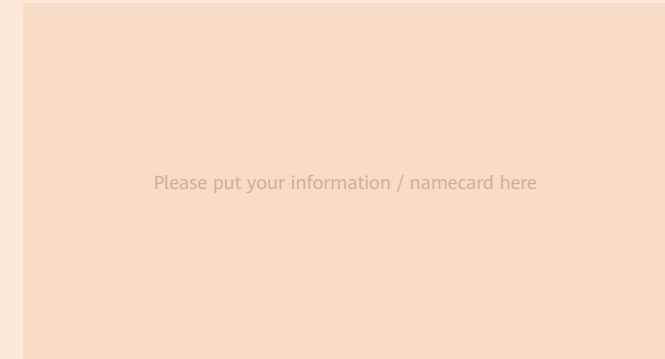


## Get FusionSolar with peace in mind

Excellent product quality with extendable warranty to protect your investment



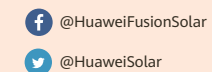
Where to buy



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



Contact Us



community.solar.huawei.com

# Know

## Huawei with 6 Numbers



**170+**

Countries & regions with Huawei products and services



**194,000**

Huawei employees worldwide



**49**

Fortune Global 500



**61**

Interbrand's Top 100 Best Global Brands



**130GW+**

Huawei inverters deployed worldwide



## Optimal Electricity Cost

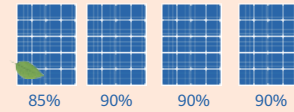
**Up to 30%**

More Energy by Optimizing Each Module's Performance



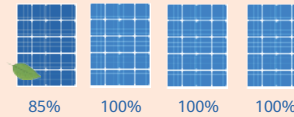
**Without optimizer**

All modules' performance is limited by the weakest one.



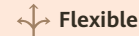
**With optimizer**

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

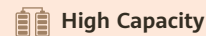


## Higher Self-consumption

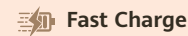
with Smart String ESS



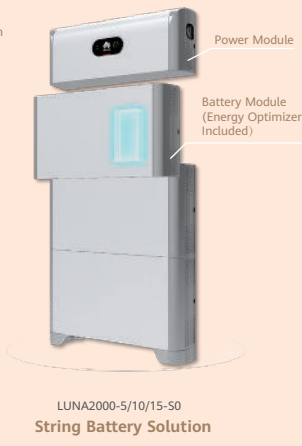
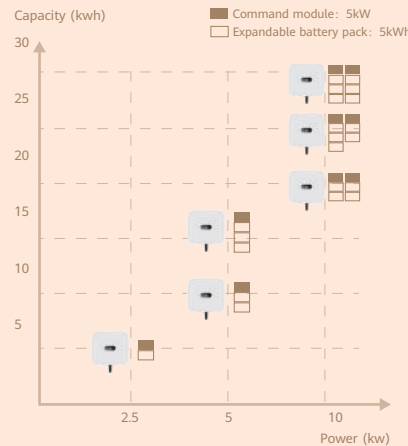
**Flexible**  
5kWh per pack scalable for flexible investment



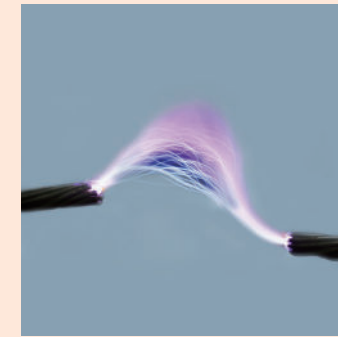
**High Capacity**  
Up to 2 system operates in parallel, max 30kWh



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



## 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°C, easily causes fires.

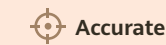
**Where Does Arc Fault Occur in PV System?**

- 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.



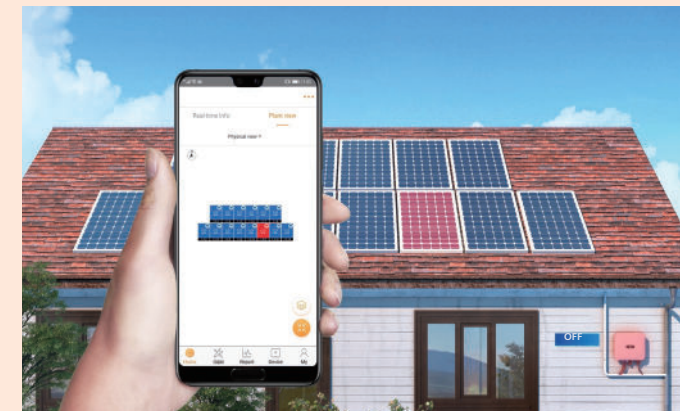
**Accurate**  
Accurate arc fault detection via local neural network algorithm



**Speedy**  
Speedy arc fault protection by inverter shutdown in 0.5s



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

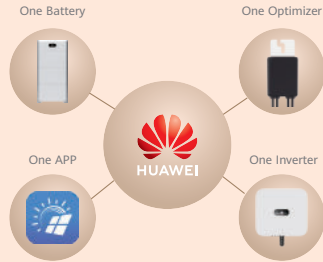


## Better Experience

**One-Fits-All**

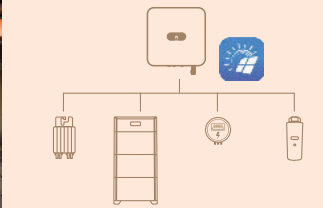
Solution, Easier Business

- 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.



## 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	Other Solutions
Physical view creation	<5sec (AI BOOST)	15min (manual)

Note: 10kw system <5s

