

FusionSolar

Residential Smart PV Solution



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



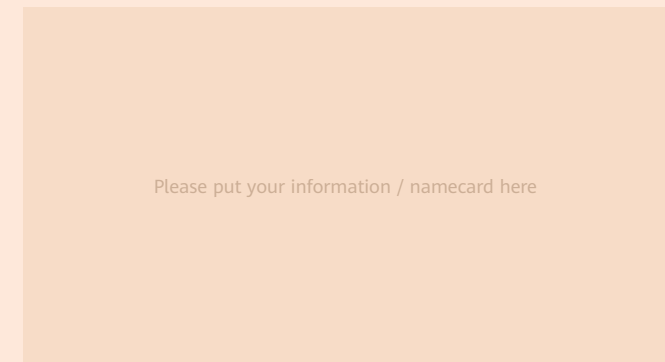
Get FusionSolar with peace in mind

Excellent product quality with extendable warranty to protect your investment

Standard 10 Years Warranty
Extendable to Max. 20 Years



Where to buy



Please put your information / namecard here

Contact Us



@HuaweiFusionSolar
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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

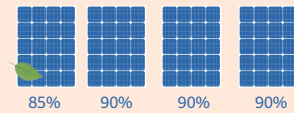
Up to 30%

More Energy by Optimizing Each Module's Performance



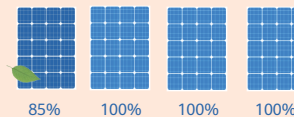
Without optimizer

All modules' performance is limited by the weakest one.



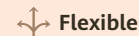
With optimizer

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

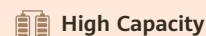


Higher Self-consumption

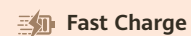
with Smart String ESS



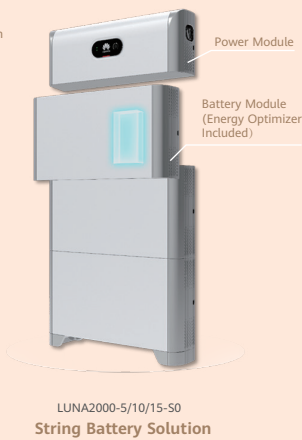
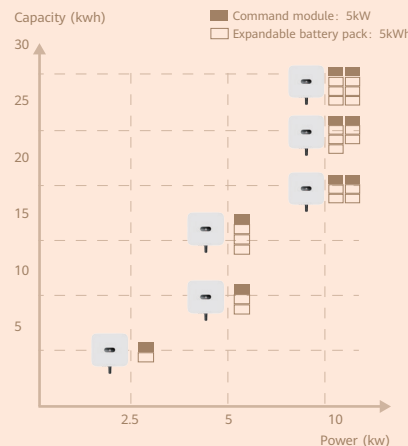
Flexible
5kWh per pack scalable for flexible investment



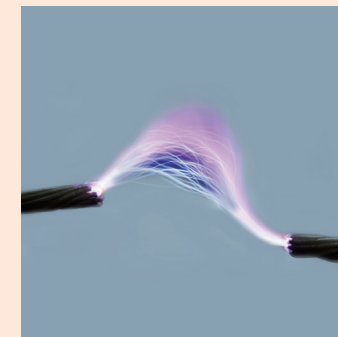
High Capacity
Up to 2 system operates in parallel, max 30kWh



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.

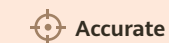
Where Does Arc Fault Occur in PV System?

- Loose 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.



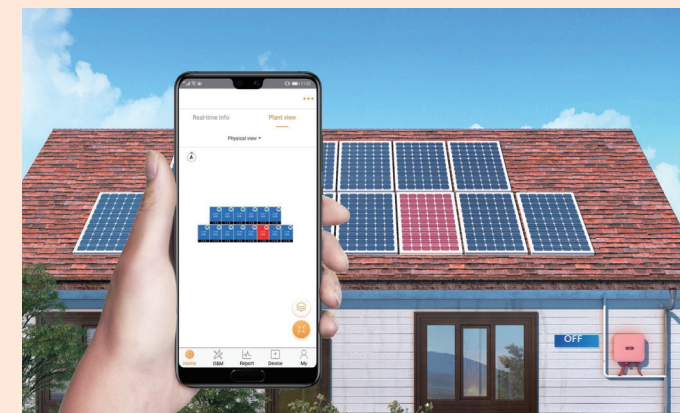
Accurate
Accurate arc fault detection via local neural network algorithm



Speedy
Speedy arc fault protection by inverter shutdown in 0.5s



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

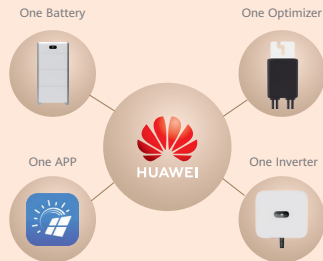


Better Experience

One-Fits-All

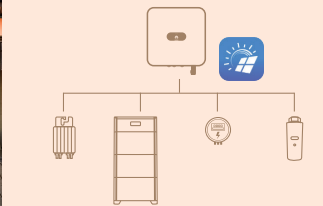
Solution, Easier Business

- 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

