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

Available Now

Contact Us

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

FusionSolar Smart PV Management System
Web Portal & App

Smart String ESS
LUNA2000-5/10/15-50
Modular design with energy optimizer

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

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

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

Smart Power Sensor
DSS666-H (Single Phase)
DTS666-H 250A/50mA (Three Phase)
Manage power export limitation

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

SUN2000-2/3/6/4/4.6/5/4KTL-L1
SUN2000-3/4/5/6/8/10KTL-M1

2 Years Warranty
10 years warranty
25 Years Warranty

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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**
  - Skilful per pack suitable for flexible investment

- **High Capacity**
  - Up to 2 system operates in parallel, max 20kW

- **Fast Charge**
  - max 5kW charge/discharge power per system

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

- **Speedy**
  - Speedy arc fault protection by inverter shutdown in <1s

- **Smart**
  - Smart arc fault positioning, saving 90% onsite troubleshooting time and cost

- **Optimal Electricity Cost**
  - with Smart String ESS

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?
  - - Tangled 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 arc fault detection via local neural network algorithm
  - Speedy arc fault protection by inverter shutdown in <1s
  - Smart arc fault positioning, saving 90% onsite troubleshooting time and cost

Better Experience

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

- One device fits most of poly & mono PV module in the market (150-330V)
- 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

- AI inverter connected devices can be automatically detected in FusionSolar App
- One App to set up all devices in <5s

Other

- Other Solutions
- Other Inverters
- Other Batteries
- Other Optimizers

<5s

**Module Auto-Mapping by AI Image Recognition**

- <5s recognition
- <5s creation (AI BOOST) (manual)

Note: 10kw system <5s