HUAWEI

GO SOLAR
WITH Huawei
Fusiosolar C&I Smart PV Solution

PHOTOVOLTAICS

inter solar award
2019 WINNER

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

FusionSolar Commercial & Industrial Smart PV Solution

Smart PV Inverter
SUN2000-12/15/17/20KTL-M0/M2

Smart PV Inverter
SUN2000-36KTL

Smart PV Inverter
SUN2000-60KTL-M0

Smart PV Inverter
SUN2000-100KTL-M1

FusionSolar Portal & APP
Manage energy generation
and consumption anytime and anywhere

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

SmartLogger 3000A
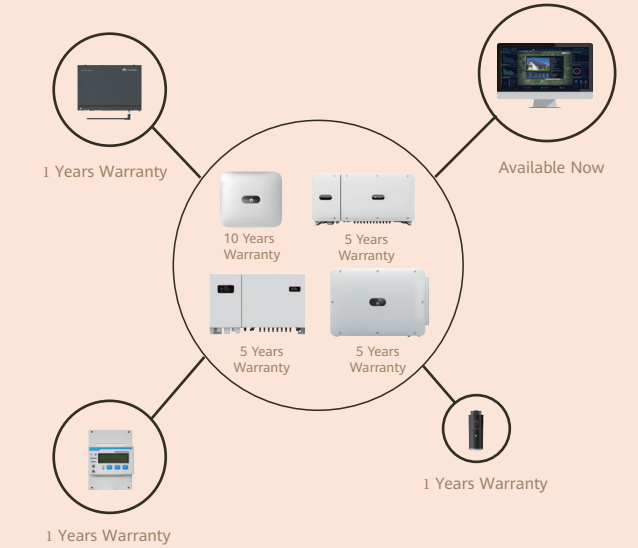Connect up to 80 inverters to the
FusionSolar Portal

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

Get FusionSolar
with *peace in mind*

Excellent product quality with extendable warranty to protect your investment
—

1 Years Warranty

Available Now

10 Years Warranty

5 Years Warranty

5 Years Warranty

5 Years Warranty

1 Years Warranty

1 Years Warranty

Where to buy

Please put your information / namecard here

Contact Us

Huawei FusionSolar
@HuaweiFusionSolar
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Know
Huawei with 6 Numbers

170+
Countries & regions with Huawei products and services

194,000
Huawei employees worldwide

FORTUNE 500 2018
61
Fortune Global 500

Interbrand
74
Interbrand's Top 100 Best Global Brands

No.1
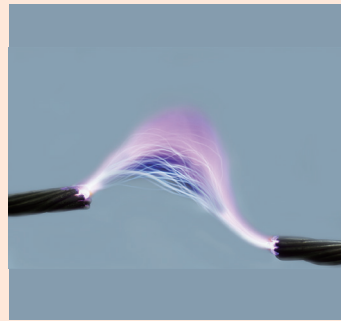In global inverter shipment from 2015 to 2018

118GW+
Accumulated global shipment as end of 2019

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
- Pose significant risk to firefighters under high DC voltage & current

HUAWEI AI BOOST AFCI to Proactively Mitigate Fire Risk

What is AI Boost AFCI (Arc Fault Circuit Interrupter)?

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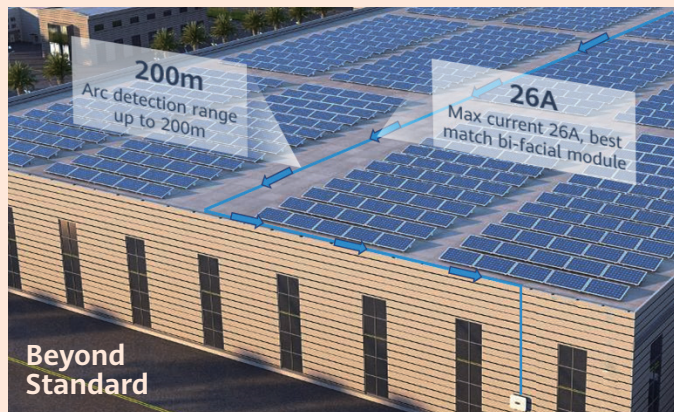
AI BOOST

Accurate
Up to **99.9%** arc fault detection accuracy via local neural network algorithm

Speedy
Automatic shutdown in 400ms faster than **2.5s** Industry standard

Tailored
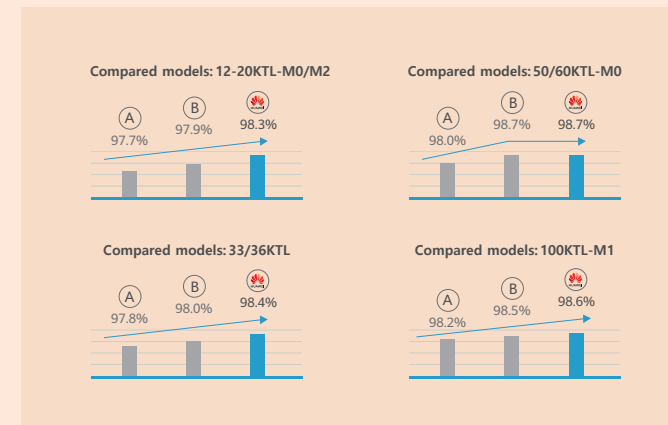Beyond standard, longer distance & higher current arcing protection (**200m** vs 80m ; **26A** vs 16A)

200m
Arc detection range up to 200m

26A
Max current 26A, best match bi-facial module

Beyond Standard

Higher Yields

Multi MPPTs Effectively Reducing String Mismatch for higher yields

Leaves | Shading | Soiling | Bird's Dropping | Tolerance Mismatch | Thermal Mismatch

One MPPT | Ten MPPTs
Shading

50%

50% | **100%**

Other strings' performance is limited by the string under shading

Other strings can achieve best performance independently for higher yields

Industry-leading Efficiency Converts More Solar Energy into Power

Compared models: 12-20KTL-M0/M2
A 97.7% | B 97.9% | 98.3%

Compared models: 50/60KTL-M0
A 98.0% | B 98.7% | 98.7%

Compared models: 33/36KTL
A 97.8% | B 98.0% | 98.4%

Compared models: 100KTL-M1
A 98.2% | B 98.5% | 98.6%

Better Experience

Fuse-free, No Quick-wear Parts, Inverter Failure Rate < 0.5%

No Fuse | No LCD | No Button

TUV verified inverter failure rate < 0.5%
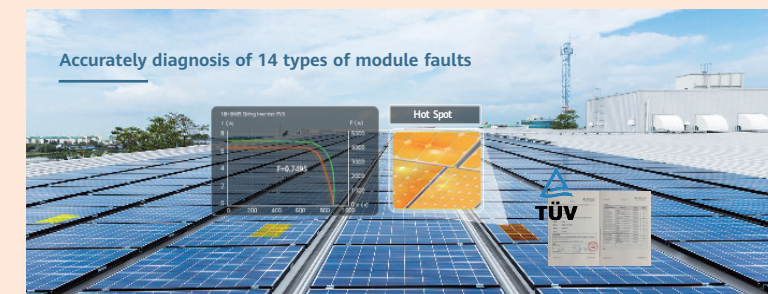
High inverter availability up to 99.996%

Station Phase Ⅱ, 200 units, 963 running days
Failure Rate:
0.189%

Station Phase Ⅲ, 4939 units, 583 running days
Failure Rate:
0.252%

Station Phase Ⅳ, 1790 units, 207 running days
Failure Rate:
0.39%

Technical Report

Easier O&M through Periodical PV Module Health Check

Accurately diagnosis of 14 types of module faults

Hot Spot

TÜV

Conventional offline diagnosis

| Onsite diagnosis by experts in **1day** |
| **1%-10%** sample scanning |
| **Manual** data analysis & Report Writing |
| **Yield loss** during the test (inverters off) |

VS

Huawei smart online diagnosis

| Online diagnosis in **2min** |
| **100%** string scanning |
| **Auto** diagnosis report generated in **10min*** |
| **Almost Zero** yield loss |

* For typical MW system