



FusionSolar Residential & Commercial Smart PV Solution

[SOLAR.HUAWEI.COM/MEA/](https://solar.huawei.com/MEA/)



About Huawei

Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. With integrated solutions across four key domains – telecom networks, IT, smart devices, and cloud services – we are committed to bringing digital to every person, home and organization for a fully connected, intelligent world. Huawei's end-to-end portfolio of products, solutions and services are both competitive and secure. Through open collaboration with ecosystem partners, we create lasting value for our customers, working to empower people, enrich home life, and inspire innovation in organizations of all shapes and sizes. At Huawei, innovation focuses on customer needs. We invest heavily in basic research, concentrating on technological breakthroughs that drive the world forward.

Our 2018 sales revenue was US\$108.5 billion with 21% YoY growth.



Employees

180,000+



Interbrand's Top 100
Best Global Brands

68



Global No.1

In global shipment 2015-2017



R&D Personnel

80,000+



Fortune Global
500

72



Countries

170+



Research institutes/
labs/centers

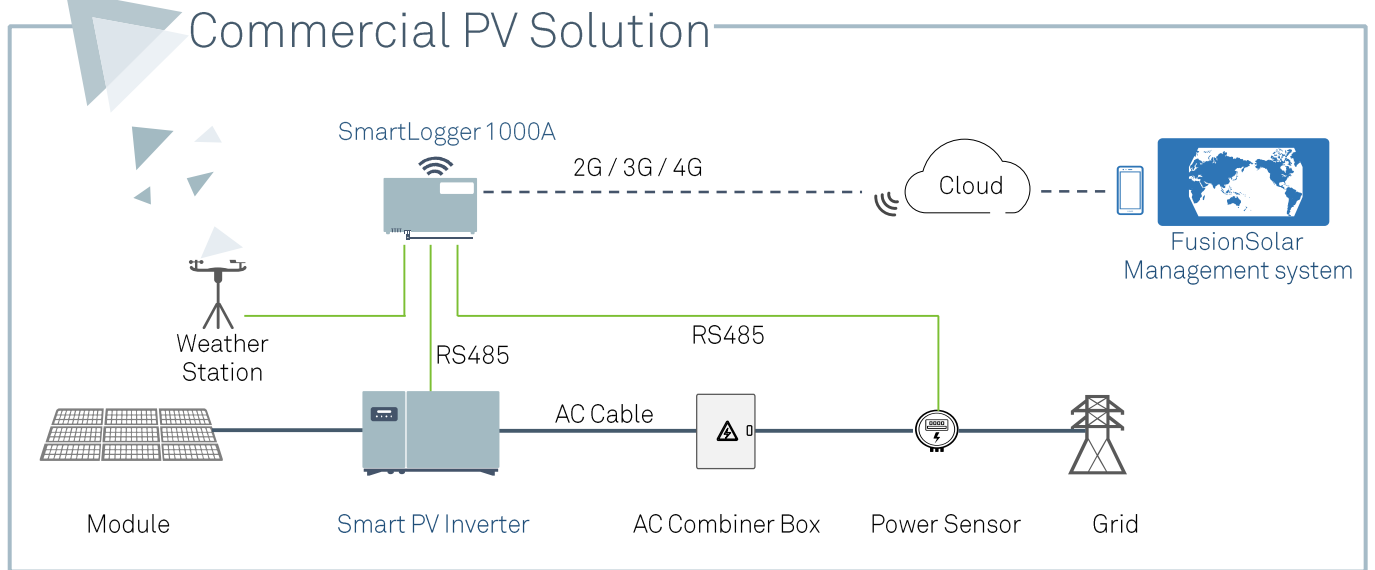
14



90GW+

Accumulated global shipment as of Dec. 2018

Commercial PV Solution



Safe & Reliable

Fuse-free design for superior safety

Natural cooling fully sealed design for better reliability

Higher Yields

Multi-MPPT to reduce string mismatch

Euro. Efficiency 98.7% for higher yields

Smart O&M

String-level monitoring for fast trouble-shooting

One click I-V curve diagnosis making unhealthy modules visible



SUN2000-8/12KTL Smart String Inverter



Smart

4 strings intelligent monitoring



Efficient

Max. efficiency 98.5%



Safe

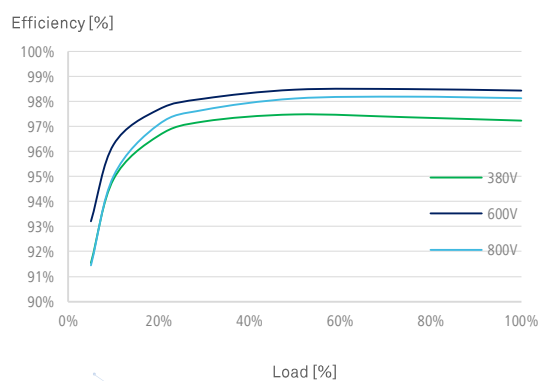
Fuse free design



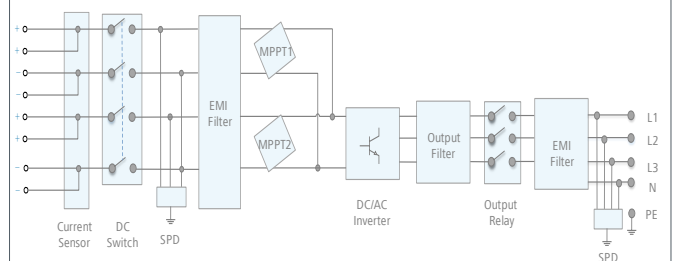
Reliable

Type II surge arresters for DC & AC

Efficiency Curve



Circuit Diagram



SUN2000-8/12KTL

SUN2000-8/12KTL
Technical Specification

Technical Specification	SUN2000-8KTL	SUN2000-12KTL
Efficiency		
Max. efficiency	98.5%	
European efficiency	98.0%	
Input		
Max. Input Voltage	1,000 V	
Max. Current per MPPT	18 A	
Max. Short Circuit Current per MPPT	25 A	
Start Voltage	250 V	
MPPT Operating Voltage Range	200 V~950 V	
Rated Input Voltage	620 V	
Number of Inputs	4	
Number of MPP Trackers	2	
Output		
Rated AC Active Power	8,000 W	12,000 W
Max. AC Apparent Power	8,800 VA	13,200 VA
Max. AC Active Power (cosφ=1)	8,800 W	13,200 W
Rated Output Voltage	220 V / 380 V, 230 V / 400 V, 3W + N + PE	
Rated AC Grid Frequency	50 Hz / 60 Hz	
Rated Output Current	12.2 A @380 V / 11.6 A @400 V	18.3 A @380 V / 17.4 A @400 V
Max. Output Current	13.4 A	20 A
Adjustable Power Factor Range	0.8 leading... 0.8 lagging	
Max. Total Harmonic Distortion	< 3%	
Protection		
Input-side Disconnection Device	Yes	
Anti-islanding Protection	Yes	
AC Overcurrent Protection	Yes	
DC Reverse-polarity Protection	Yes	
PV-array String Fault Monitoring	Yes	
DC Surge Arrester	Type II	
AC Surge Arrester	Type II	
DC Insulation Resistance Detection	Yes	
Residual Current Monitoring Unit	Yes	
Communication		
Display	Graphic LCD	
RS485	Yes	
USB	Yes	
General Data		
Dimensions (W x H x D)	520 x 610 x 266 mm (20.5 x 24.0 x 10.5 inch)	
Weight (with mounting plate)	42 kg (92.6 lb.)	
Operating Temperature Range	-25°C ~ 60°C (-13°F ~ 140°F)	
Cooling Method	Natural Convection	
Max. Operating Altitude	3,000 m (9,842 ft.)	
Relative Humidity	0 ~ 100%	
DC Connector	Amphenol Helios H4	
AC Connector	Amphenol C16 / 3	
Protection Degree	IP65	
Topology	Transformerless	
Standard Compliance		
Safety	EN 62109-1/-2, IEC 62109-1/-2	
Grid code	DEWA, NRS 097-2-1, CEI 0-16, CEI 0-21, G59/3, SASO, IEC 61727, IEC 62116, IEC 61683, IEC 60068, NB/T 32004-2013, VDE-AR-N-4105, VDE 0126-1-1, BDEW, G83/2 (Only 8KTL), UTE C 15-712-1, C10/11, EN 50438-Netherlands, EN 50438-Ireland, EN 50438-Turkey, RD 1699, AS 4777, ABNT	

SUN2000-17/20KTL Smart String Inverter



Smart

6 strings intelligent monitoring



Efficient

Max. efficiency 98.6%



Safe

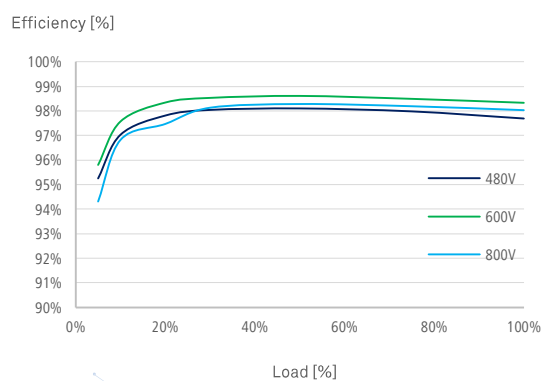
Fuse free design



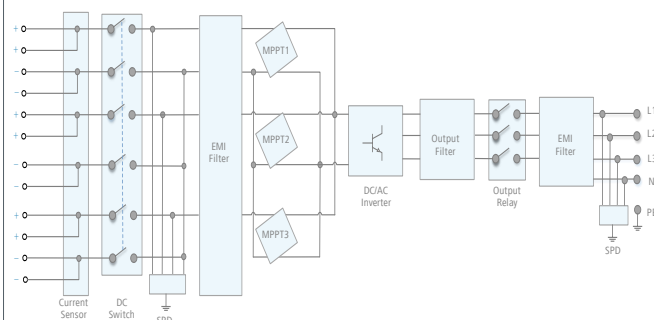
Reliable

Type II surge arresters for DC & AC

Efficiency Curve



Circuit Diagram



SUN2000-17/20KTL

SUN2000-17/20KTL
Technical Specification

Technical Specification	SUN2000-17KTL	SUN2000-20KTL
Efficiency		
Max. efficiency	98.6%	
European efficiency	98.3%	
Input		
Max. Input Voltage	1,000 V	
Max. Current per MPPT	18 A	
Max. Short Circuit Current per MPPT	25 A	
Start Voltage	250 V	
MPPT Operating Voltage Range	200 V~950 V	
Rated Input Voltage	620 V	
Number of Inputs	6	
Number of MPP Trackers	3	
Output		
Rated AC Active Power	17,000 W	20,000 W
Max. AC Apparent Power	18,700 VA	22,000 VA
Max. AC Active Power (cosφ=1)	18,700 W	22,000 W
Rated Output Voltage	220 V / 380 V, 230 V / 400 V, 3W + N + PE	
Rated AC Grid Frequency	50 Hz / 60 Hz	
Rated Output Current	25.8 A @380 V, 24.7 A @400 V	30.4 A @380 V, 29 A @400 V
Max. Output Current	28.5 A	33.5 A
Adjustable Power Factor Range	0.8 leading... 0.8 lagging	
Max. Total Harmonic Distortion	< 3%	
Protection		
Input-side Disconnection Device	Yes	
Anti-islanding Protection	Yes	
AC Overcurrent Protection	Yes	
DC Reverse-polarity Protection	Yes	
PV-array String Fault Monitoring	Yes	
DC Surge Arrester	Type II	
AC Surge Arrester	Type II	
DC Insulation Resistance Detection	Yes	
Residual Current Monitoring Unit	Yes	
Communication		
Display	Graphic LCD	
RS485	Yes	
USB	Yes	
General Data		
Dimensions (W x H x D)	520 x 610 x 266 mm (20.5 x 24.0 x 10.5 inch)	
Weight (with mounting plate)	50 kg (110.2 lb.)	
Operating Temperature Range	-25°C ~ 60°C (-13°F ~ 140°F)	
Cooling Method	Natural Convection	
Max. Operating Altitude	3,000 m (9,842 ft.)	
Relative Humidity	0 ~ 100%	
DC Connector	Amphenol Helios H4	
AC Connector	Amphenol C16 / 3	
Protection Degree	IP65	
Topology	Transformerless	
Standard Compliance		
Safety	EN 62109-1/-2, IEC 62109-1/-2	
Grid code	DEWA, NRS 097-2-1, CEI 0-16, CEI 0-21, G59/3, SASO, IEC 61727, IEC 62116, IEC 61683, IEC 60068, NB/T 32004-2013, VDE-AR-N-4105, VDE 0126-1-1, BDEW, G83/2 (Only 8KTL), UTE C 15-712-1, C10/11, EN 50438-Netherlands, EN 50438-Ireland, EN 50438-Turkey, RD 1699, AS 4777, ABNT	

SUN2000-36KTL Smart String Inverter



Smart

8 strings intelligent monitoring



Efficient

Max. efficiency 98.6%



Safe

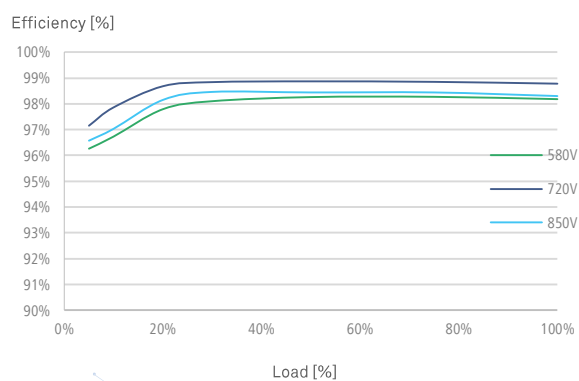
Fuse free design



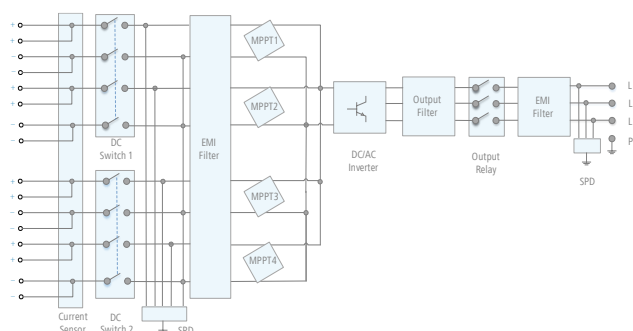
Reliable

Type II surge arresters for DC & AC

Efficiency Curve



Circuit Diagram



SUN2000-36KTL

SUN2000-36KTL

Technical Specification

Technical Specification		SUN2000-36KTL	
Efficiency			
Max. Efficiency	98.8% @480 V; 98.6% @380 V / 400 V		
European Efficiency	98.6% @480 V; 98.4% @380 V / 400 V		
Input			
Max. Input Voltage	1,100 V		
Max. Current per MPPT	22 A		
Max. Short Circuit Current per MPPT	30 A		
Start Voltage	250 V		
MPPT Operating Voltage Range	200 V ~ 1,000 V		
Rated Input Voltage	620 V @380 Vac / 400 Vac; 720 V @480 Vac		
Number of Inputs	8		
Number of MPP Trackers	4		
Output			
Rated AC Active Power	36,000 W		
Max. AC Apparent Power	40,000 VA		
Max. AC Active Power (cosφ=1)	Default 40,000 W; 36,000 W optional in settings		
Rated Output Voltage	220 V / 380 V, 230 V / 400 V, default 3W + N + PE; 3W + PE optional in settings 277 V / 480 V, 3W + PE		
Rated AC Grid Frequency	50 Hz / 60 Hz		
Rated Output Current	54.6 A @380 V, 52.2 A @400 V, 43.4 A @480 V		
Max. Output Current	60.8 A @380 V, 57.8 A @400 V, 48.2 A @480 V		
Adjustable Power Factor Range	0.8 leading... 0.8 lagging		
Max. Total Harmonic Distortion	<3%		
Protection			
Input-side Disconnection Device	Yes		
Anti-islanding Protection	Yes		
AC Overcurrent Protection	Yes		
DC Reverse-polarity Protection	Yes		
PV-array String Fault Monitoring	Yes		
DC Surge Arrester	Type II		
AC Surge Arrester	Type II		
DC Insulation Resistance Detection	Yes		
Residual Current Monitoring Unit	Yes		
Communication			
Display	LED Indicators, Bluetooth + APP		
RS485	Yes		
USB	Yes		
Monitoring BUS (MBUS)	Yes		
General Data			
Dimensions (W x H x D)	930 x 550 x 283 mm (36.6 x 21.7 x 11.1 inch)		
Weight (with mounting plate)	62 kg (136.7 lb.)		
Operating Temperature Range	-25°C ~ 60°C (-13°F ~ 140°F)		
Cooling Method	Natural Convection		
Max. Operating Altitude	4,000 m (13,123 ft.)		
Relative Humidity	0 ~ 100%		
DC Connector	Amphenol Helios H4		
AC Connector	Waterproof PG Terminal + OT Connector		
Protection Degree	IP65		
Topology	Transformerless		
Standard Compliance (more available upon request)			
Certificate	EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 60068, IEC 61683		
Grid Code	DEWA, NRS 097-2-1, IEC 61727, G59/3, CEI 0-16, CEI 0-21, SASO, VDE-AR-N4105, VDE 0126-1-1, BDEW		

The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted. Huawei assumes no liability for mistakes or printing errors. For more information, please visit solar.huawei.com. Version No.:01-(20190126)

SUN2000-50KTL-M0 Smart String Inverter



Smart

Smart I-V Curve Diagnosis supported



Efficient

Max. efficiency 98.7%



Safe

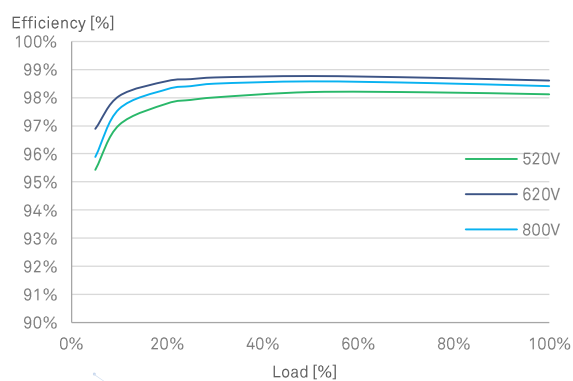
Fuse free design



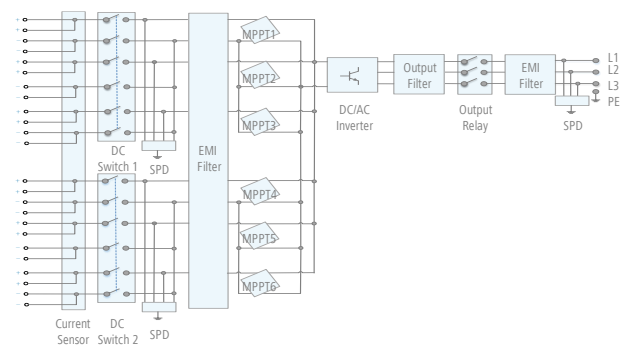
Reliable

Type II surge arresters for DC & AC

Efficiency Curve



Circuit Diagram



SUN2000-50KTL-M0

SUN2000-50KTL-M0

Technical Specification

Technical Specification	SUN2000-50KTL-M0
-------------------------	------------------

Efficiency	
Max. Efficiency	98.7%
European Efficiency	98.5%

Input	
Max. Input Voltage	1,100 V
Max. Current per MPPT	22 A
Max. Short Circuit Current per MPPT	30 A
Start Voltage	200 V
MPPT Operating Voltage Range	200 V ~ 1,000 V
Rated Input Voltage	600 V
Number of Inputs	12
Number of MPP Trackers	6

Output	
Rated AC Active Power	50,000 W
Max. AC Apparent Power	55,000 VA
Max. AC Active Power ($\cos\phi=1$)	55,000 W
Rated Output Voltage	220 V / 380 V, 230 V / 400 V, default 3W + N + PE; 3W + PE optional in settings
Rated AC Grid Frequency	50 Hz / 60 Hz
Rated Output Current	76 A @380 V / 72.2 A @400 V
Max. Output Current	83.6 A @380 V / 79.4 A @400 V
Adjustable Power Factor Range	0.8 LG ... 0.8 LD
Max. Total Harmonic Distortion	<3%

Protection	
Input-side Disconnection Device	Yes
Anti-islanding Protection	Yes
AC Overcurrent Protection	Yes
DC Reverse-polarity Protection	Yes
PV-array String Fault Monitoring	Yes
DC Surge Arrester	Type II
AC Surge Arrester	Type II
DC Insulation Resistance Detection	Yes
Residual Current Monitoring Unit	Yes

Communication	
Display	LED Indicators, Bluetooth + APP
RS485	Yes
USB	Yes
Monitoring BUS (MBUS)	Yes

General Data	
Dimensions (W x H x D)	1,075 x 555 x 300 mm (42.3 x 21.9 x 11.8 inch)
Weight (with mounting plate)	74 kg (163.1 lb.)
Operating Temperature Range	-25°C ~ 60°C (-13°F ~ 140°F)
Cooling Method	Natural Convection
Max. Operating Altitude	4,000 m (13,123 ft.)
Relative Humidity	0 ~ 100%
DC Connector	Amphenol Helios H4
AC Connector	Waterproof PG Terminal + OT Connector
Protection Degree	IP65
Topology	Transformerless

Standard Compliance (more available upon request)	
Certificate	EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 62910, IEC 60068, IEC 61683
Grid Code	IEC 61727, G59/3, DEWA, NRS 097-2-1, IEEE 1547, SASO

**Smart**

2G/3G/4G communication ¹
Support 3rd-party monitoring system ²

**Simple**

Plug & Play
Support max. 10 devices

**Reliable**

IP65
Support auto reconnection

Technical Specification	Smart Dongle-4G-EU
General Parameter	
Max. number of manageable devices	10
Max. number of manageable inverters	10 (Inverters connected via RS485)
Connection interface	USB
Installation	Plug-and-play ³
Indicator	LED Indicator
Dimensions (W * H * D)	130 * 48 * 33 mm (5.1 * 1.9 * 1.3 inch)
Weight	90 g (0.2 lb.)
Protection degree	IP65
Power consumption (typical)	3.5 W
Wireless Parameter	
Sim card type	mini-sim (15 mm*25 mm)
Supported standards & frequencies	4G: FDD-LTE / TDD-LTE 3G: WCDMA / HSDPA / HSUPA / HSPA+ 2G: GSM / GPRS / EDGE ⁴
Environment	
Operation temperature range	-30 °C to +65 °C (-22 °F to 149 °F)
Relative humidity	5 - 95% RH
Storage temperature range	-40°C to +70°C (-40 °F to 158 °F)
Max. operating altitude	4,000 m (13,123 ft.)
Standard Compliance (more available upon request)	
Certificate	CE, Type Approval for Thailand

¹: To ensure stable data transmission, Huawei suggests 4G dongle to be installed in areas with stable mobile signal (2G signal ≥4 bars, 3G/4G signal ≥3 bars).

²: 3rd-party management system shall match the communication protocol with Huawei Smart Dongle.

³: Smart Dongle-4G-EU can be installed on SUN2000-50 / 60KTL-M0.

⁴: For recommended carriers list and details on supported frequencies, please contact local distributors

The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted. Huawei assumes no liability for mistakes or printing errors. For more information, please visit solar.huawei.com. Version No.:01-(20190126)

SmartLogger 1000A



Smart

Smart zero export control design



Simple

2G / 3G / 4G communication¹



Reliable

Safety improvement by SPD inside

Technical Specification	SmartLogger 1000A
Device Management	
Max. Number of Connected Devices	80
Communication Interface	
Electrical Ethernet	ETH x 1, 10 / 100 Mbps
RS485	COM x 3, 2400 / 4800 / 9600 / 19200 / 115200 bps, 1000 m
2G / 3G / 4G	LTE (FDD), DC-HSPA+ / HSPA+ / HSPA / UMTS, GSM / GPRS / EDGE ²
Digital / Analog Input / Output	DI x 4, DO x 2, AI x 4
Active DO	12V, 100mA (connection with relay, sensor)
SPD Inside	Yes
Communication Protocol	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645
Interaction	
LED	LED Indicator x 4 – RUN, ALM, 4G, WLAN
WEB	Embedded Web
USB	USB 2.0 x 1
APP	Communication by WLAN
Environment	
Operating Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Relative Humidity (Non-condensing)	5% ~ 95%
Max. Operating Altitude	4,000 m (13,123 ft.)
Electrical	
AC Power Supply	100 V ~ 240 V, 50 Hz / 60 Hz
DC Power Supply	20 ~ 30 V
Power Consumption	Typical 8 W, Max. 15 W
Mechanical	
Dimensions (W x H x D)	200 x 140 x 53 mm (7.9 x 5.5 x 2.1 inch, without mounting ears and antenna)
Weight	2 kg (4.4 lb.)
Protection Degree	IP20
Installation Options	Wall Mounting, DIN Rail Mounting, Tabletop Mounting

¹: When putting inside metal box, extended antenna will be needed.

²: For recommended carriers list and details on supported frequencies, please contact local distributors.

The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted. Huawei assumes no liability for mistakes or printing errors. For more information, please visit solar.huawei.com. Version No.:01-(20190126)

FusionSolar Smart PV Management System



Simple & Swift

- Simple commissioning by APP
- One-click commissioning by import saved configuration



Convenient & Reliable

- Home energy flow illustration
- Real-time data at anytime from anywhere
- Performance data back-up



Improved O&M Experience

- Physical & logical module layout
- Module-level performance management*
- Smart I-V Diagnosis

*Full optimizer solution with Smart PV Safety Box required

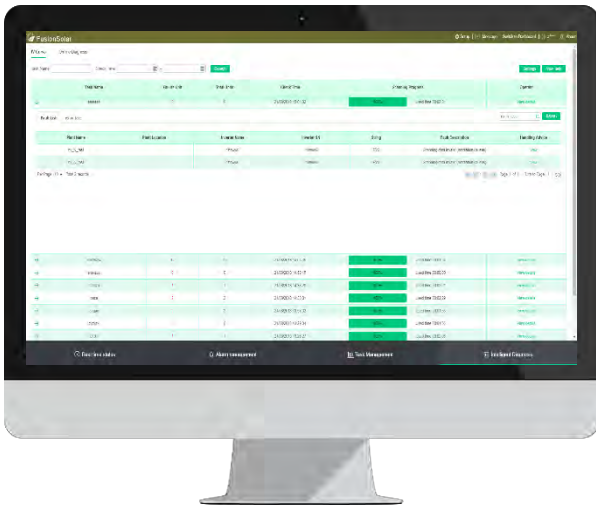
Feature List		WEB	APP
Basic Feature	Swift Installation & Registration	●	●
	Data Collection	●	
	Dashboard	●	●
	Energy Flow	●	●
	Energy Generation & Consumption	●	●
	Device Management	●	●
	Report Management	●	●
	Alarm Management	●	●
	System Configuration	●	
Advanced Feature	Intelligent O&M	○	
	Mobile O&M	○	○
	Proactive Diagnosis	○	○
	Smart I-V Curve Diagnosis	○	○

● Basic ○ Optional

Smart I-V Curve Diagnosis



Smart I-V Curve Diagnosis is able to carry out online I-V curve analysis on entire strings with advanced diagnosis algorithm. The scanning would help to find out and identify the strings with low performance or faults, which would help to achieve proactive maintenance, higher O&M efficiency and lower operation cost.



Smart

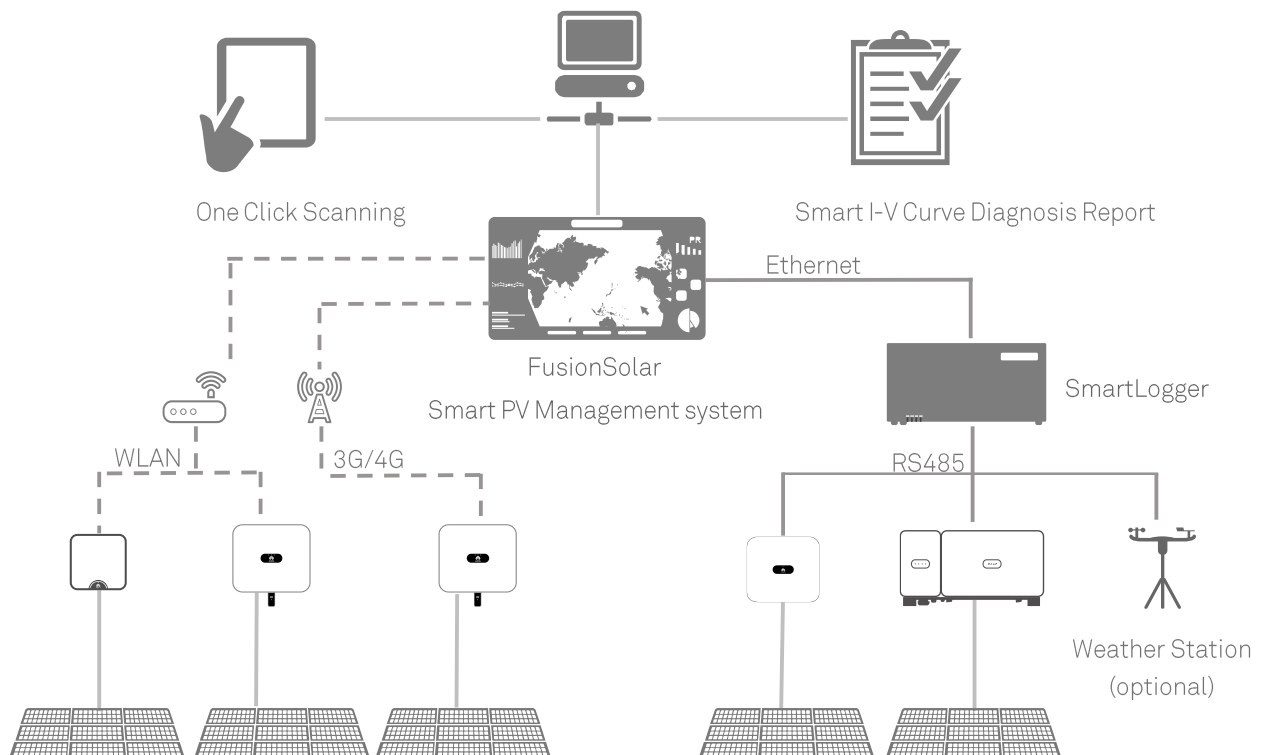
- Support plant-level, array-level and inverter-level analysis and diagnosis
- Automatically identify different failure types and provide recovery suggestion



Efficient

- One-click scanning without onsite experts or equipment
- Online I-V curve scanning on entire strings of 5 MW plant within 5min
- Automatic report generation of 5 MW plant within 15min

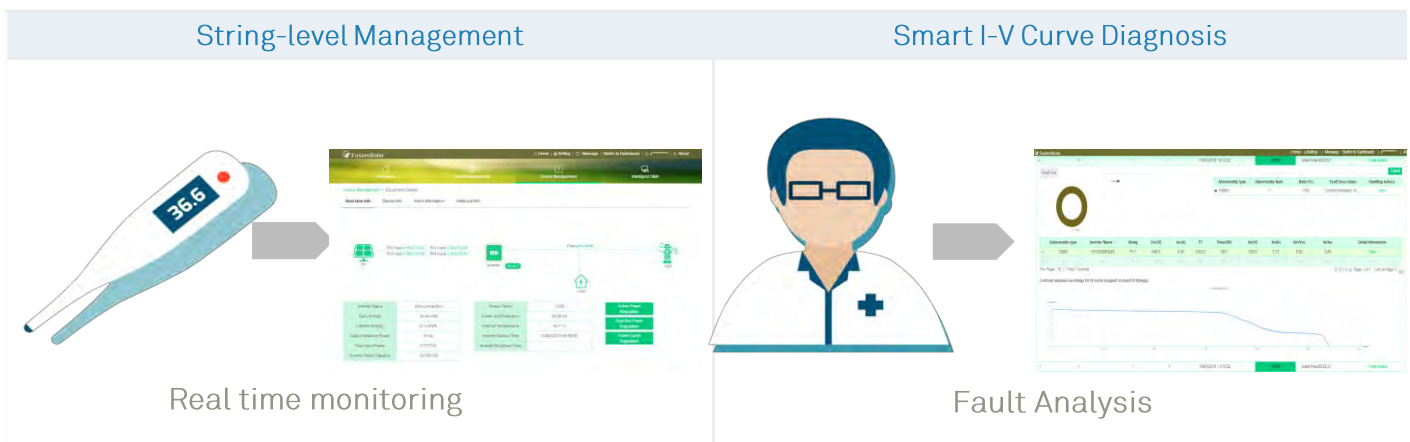
Network



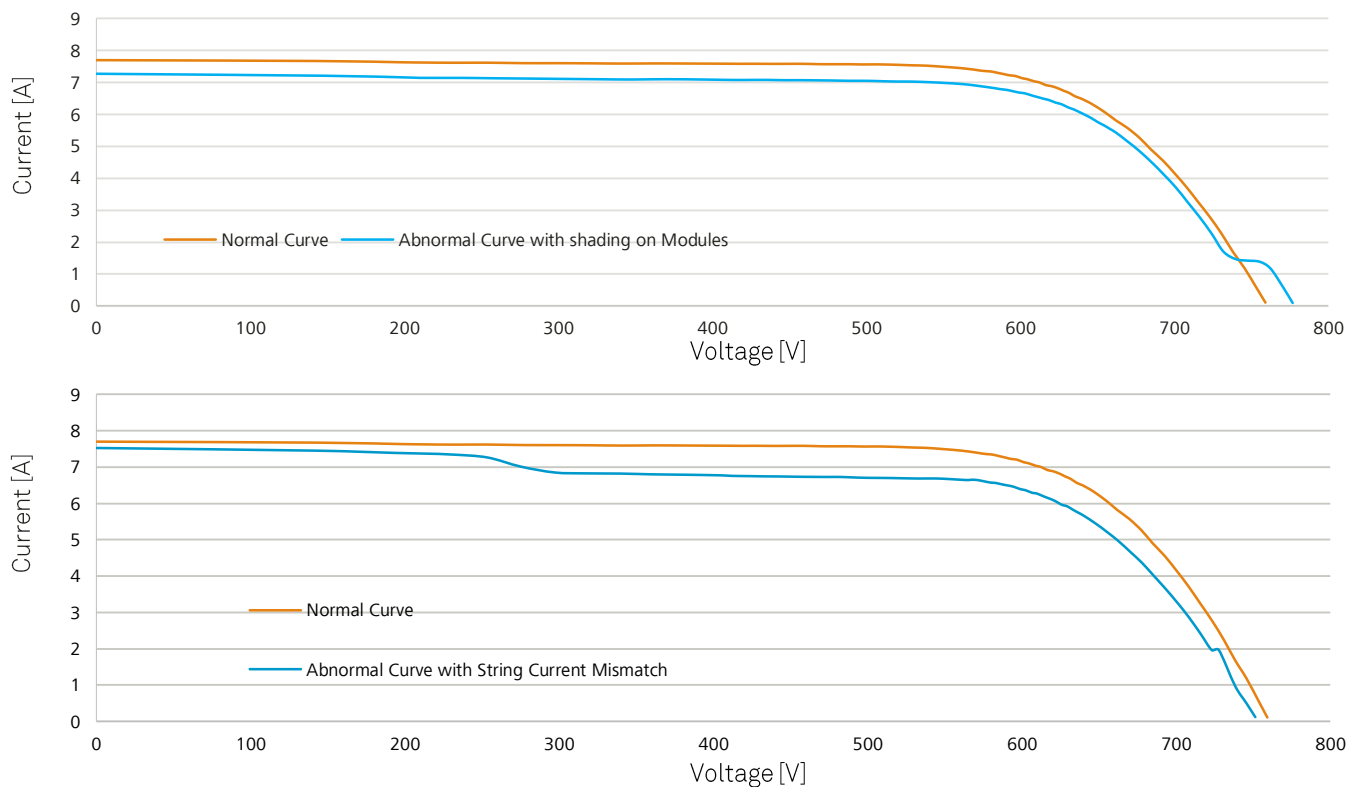
Smart I-V Curve Diagnosis

Technical Specifications	Smart I-V Curve Diagnosis
Smart PV Inverter	SUN2000L-2/3/4/5KTL*, SUN2000-36KTL, SUN2000-50KTL-M0
Communication	SmartLogger2000, SmartLogger1000A, SmartLogger1000, Smart Dongle
Management System	FusionSolar Smart PV Management System, NetEco1000s
Scanning Time	< 1s (1 string)
Sampling Points per I-V Curve	128
Certification	 TÜV Rheinland® TUV

* I-V curve diagnosis is not supported when inverter is connected with power optimizer.

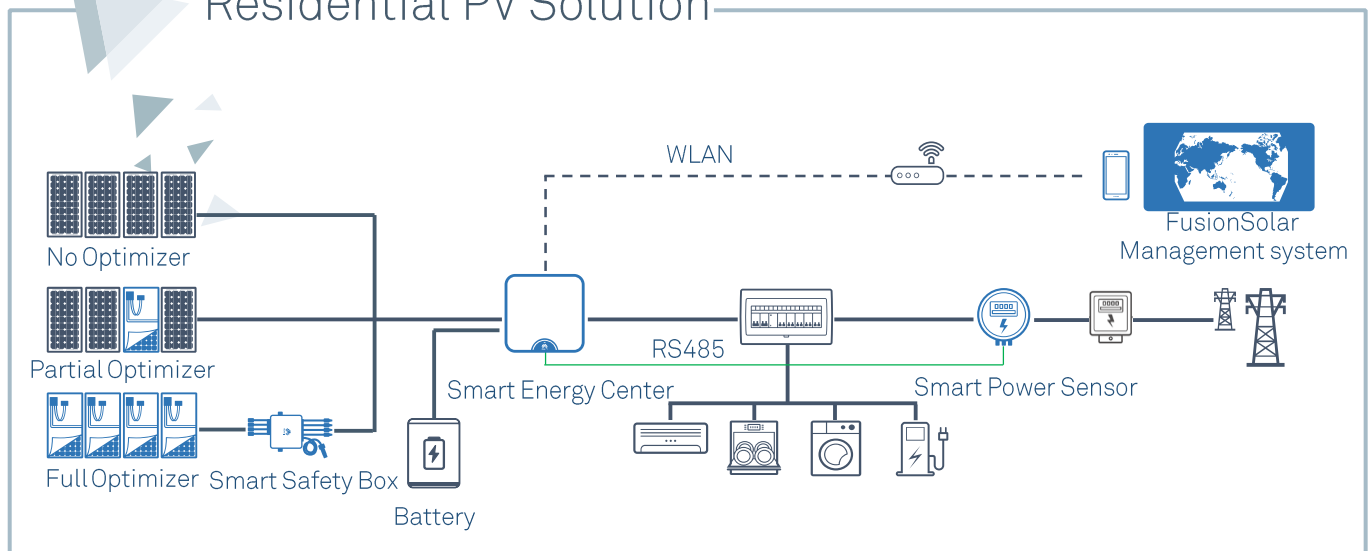


String I-V Curve Comparison



* I-V curve diagnosis is not supported when inverter is connected with power optimizer.

Residential PV Solution



Installer Benefits

More Sales, Easier Business

Partial optimizer to get more design flexibility & sales

Faster Installation

Integrated battery interface for quick expansion anytime

Install & Forget

Proven product reliability with 90+ GW global shipment

Homeowner Benefits

More Energy, Pay Less

Optimizers only on affected roof, maximize yields but pay less

Battery Ready, Secure Future

Battery ready by direct plug & play, future proof

Visible Power, Easier Management

Visible power flow for easy home energy management



Smart Energy Center



reddot award 2016
winner



Higher Revenue

Max. efficiency 98.6%



Simple & Easy

Optimized AC connector



Battery Ready

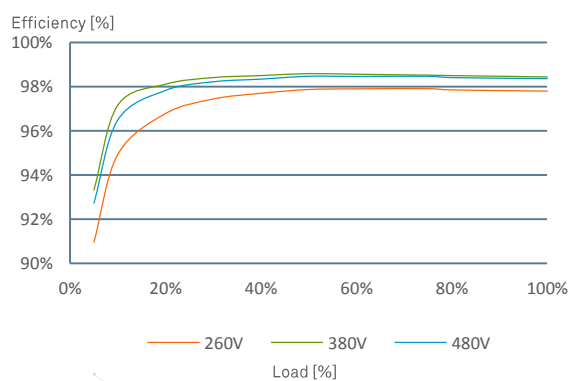
Plug & Play battery interface



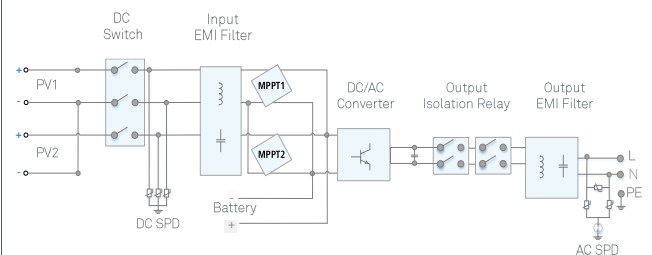
Safe & Reliable

DC & AC lightning protection

Efficiency Curve



Circuit Diagram



SUN2000L-2/3/4/5KTL

SUN2000L-2/3/4/5KTL

Technical Specification

Technical Specification	SUN2000L-2KTL	SUN2000L-3KTL	SUN2000L-4KTL	SUN2000L-5KTL
-------------------------	---------------	---------------	---------------	---------------

Efficiency				
Max. efficiency	98.4 %	98.5 %	98.6 %	98.6 %
European weighted efficiency	97.0 %	97.6 %	97.9 %	98.0 %

Input				
Recommended max. PV power	3,000 Wp	4,500 Wp	6,000 Wp	7,500 Wp
Max. input voltage	500 / 495 V ¹		600 / 495 V ¹	
Operating voltage range ¹	90 V~ 500 V / 90 V~ 495 V ¹		90 V~ 600 V / 90 V~ 495 V ¹	
Start-up voltage	120 V			
Full power MPPT voltage range	120 V ~ 480 V	160 V ~ 480 V	210 V ~ 480 V	260 V ~ 480 V
Rated input voltage	380 V			
Max. input current per MPPT	11 A			
Max. short-circuit current	15 A			
Number of MPP trackers	2			
Max. number of inputs per MPPT	1			

Output				
Grid connection	Single phase			
Rated output power	2,000 W	3,000 W	4,000 W	5,000 W
Max. apparent power	2,200 VA	3,300 VA	4,400 VA	5,500 VA
Rated output voltage	220 V / 230 V / 240 V			
Rated AC grid frequency	50 Hz / 60 Hz			
Max. output current	10 A	15 A	20 A	25 A
Adjustable power factor	0.8 leading ... 0.8 lagging			
Max. total harmonic distortion	≤ 3 %			

Protection	
Anti-Islanding protection	Yes
DC reverse polarity protection	Yes
Insulation monitoring	Yes
DC lightning protection	Yes
AC lightning protection	Yes
Residual current monitoring	Yes
AC overcurrent protection	Yes
AC short-circuit protection	Yes
AC overvoltage protection	Yes
Over-heat protection	Yes

General Data	
Operating temperature range	-30 ~ +60 °C (Derating above 45°C @ Rated output power)
Relative operating humidity	0 %RH ~ 100 %RH
Operating altitude	0 - 4,000 m (Derating above 2,000 m)
Cooling	Natural convection
Display	LED indicators
Communication	RS485, WLAN
Weight (incl. mounting bracket)	10.6 kg (23.4 lb)
Dimension (incl. mounting bracket)	375 x 375 x 161.5 mm (14.8 x 14.8 x 6.4 inch)
Degree of protection	IP65

Battery Compatibility	
Battery	LG Chem RESU 7H_R / 10H_R
Voltage range	350 ~ 450 Vdc
Max. current	10 A
Communication	RS485

Standard Compliance	
Safety	EN/IEC 62109-1, EN/IEC 62109-2
Grid connection standards	DEWA 2016, NRS 097-2-1, G83/2, G59/3, EN 50438, CEI 0-21, VDE-AR-N-4105, VDE 0126-1-1, AS 4777, C10/11, UTE C15-712, RD 1699, IEC 61727, IEC 62116, ABNT, MEA(Only for 5KTL)

*1. Only applicable for PV string. The maximum input voltage and operating voltage upper limit will be reduced to 495 V when inverter connects and works with LG battery.

The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted. Huawei assumes no liability for mistakes or printing errors. For more information, please visit solar.huawei.com. Version No.:01-(20190126)

Smart Power Sensor



Accurate

Class 1 measurement accuracy



Simple & Easy

LCD display, easy to set and check



Energy Efficient

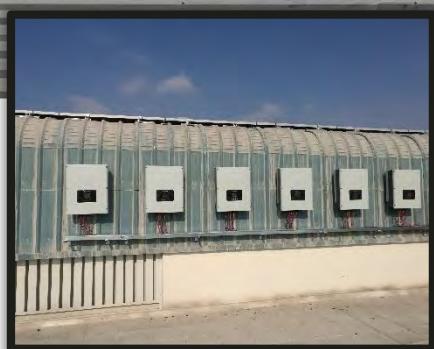
Overall power consumption ≤ 1 W

Technical Specification	DDSU666-H	DTSU666-H
General Specification		
Dimension (H x W x D)	100 x 36 x 65.5 mm (3.9 x 1.4 x 2.6 inch)	100 x 72 x 65.5 mm (3.9 x 2.8 x 2.6 inch)
Mounting type	DIN35 Rail	
Weight (including cables)	1.2 kg (2.6 lb)	1.5 kg (3.3 lb)
Power Supply		
Power grid type	1P2W	3P4W
Input power (phase voltage)	176 Vac ~ 288 Vac	
Power consumption	≤ 0.8 W	≤ 1 W
Measurement Range		
Line voltage	/	304 Vac ~ 499 Vac
Phase voltage	176 Vac ~ 288 Vac	
Current	0 ~ 100 A	
Measurement Accuracy		
Voltage	±0.5 %	
Current / Power / Energy	±1 %	
Frequency	±0.01 Hz	
Communication		
Interface	RS485	
Baud rate	9,600 bps	
Communication protocol	Modbus-RTU	
Environment		
Operating temperature range	-25 °C ~ 60 °C	
Storage temperature range	-40 °C ~ 70 °C	
Relative Operating humidity	5 %RH ~ 95 %RH (non-condensing)	
Others		

Accessories



The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted. Huawei assumes no liability for mistakes or printing errors. For more information, please visit solar.huawei.com. Version No.:01-(20190126)



4.2MWp

Distributed PV System in DP World, Dubai

System Configuration

- SUN2000-17 / 20 / 36KTL

COD

Apr, 2017



1MWp

Distributed PV System in World Trade Center, Dubai

System Configuration

- SUN2000-36KTL

COD

Mar, 2018



1MWp

Distributed PV System in Jordan

System Configuration

- SUN2000-17 / 20 KTL

COD
2015



1MWp

Distributed PV System in Casablanca, Morocco

System Configuration

- SUN2000-33KTL

COD
Dec, 2015



4kW

Residential PV System in Waregem, Belgium

System Configuration

- 18 × 295Wp modules
- 6 × 375W optimizers
- SUN2000L-4KTL, WLAN
- Smart PV safety box

COD
May, 2018

Distributor
Wattkraft



8kW

Residential Energy System in Sydney, Australia

System Configuration

- 36 × 270Wp modules
- 24 × 375W optimizers
- SUN2000L-3KTL & -5KTL
- LG Chem RESU10H Type R

COD
Dec, 2017

Distributor
ASC



Copyright © Huawei Technologies Co., Ltd. 2018. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademark Notice



, HUAWEI and are trademarks or registered remarks of Huawei Technologies Co., Ltd.

Other trademarks, product service and company names mentioned are the property of their respective owners.

General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

HUAWEI TECHNOLOGIES (U.A.E.) FZ LLC

P.O.Box 500327, 24th Floor, Thuraya Tower 1

Dubai Media City, Dubai, U.A.E.

Tel.: 00971-4-3688118

Fax: 00971-4-3688170

Inverter@huawei.com

HUAWEI TECHNOLOGIES CO., LTD.

Huawei Industrial Base, Bantian Longgang

Shenzhen 518129, P.R. China

Tel.: 400-822-9999

solar.huawei.com