



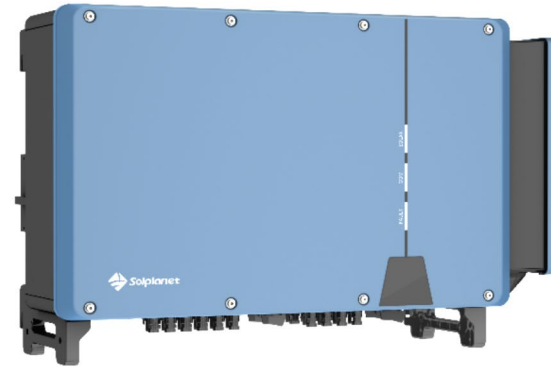
A photograph of a residential house with a red-tiled roof. Several large, rectangular solar panels are mounted on the roof, angled towards the sun. A smaller, curved solar collector is visible near the ridge. A satellite dish is mounted on the roof near a chimney. The sky is a vibrant orange and pink, indicating a sunset or sunrise. The house has a brick wall and a white-framed door. A flowering branch is visible in the bottom right corner.

Solplanet New Generation Aquarius

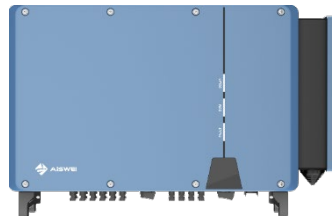
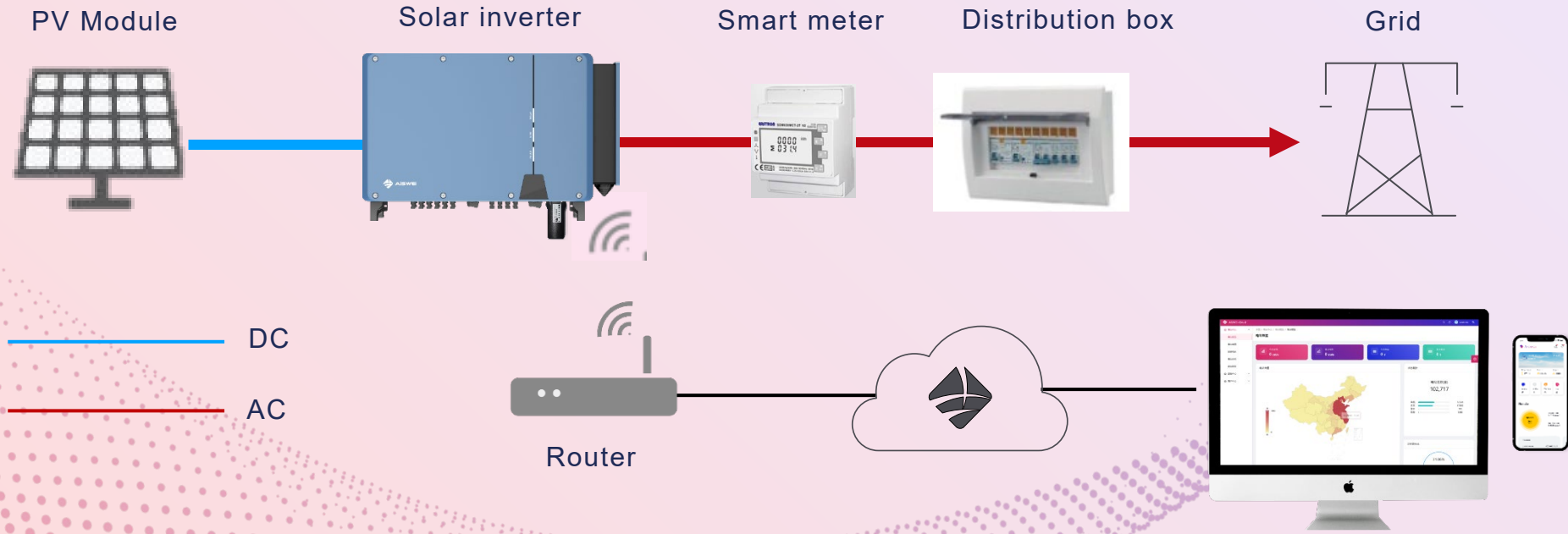
Three phase inverter 75~110kW Introduction

Contents

- ① Application Scenario
- ② Product introduction
- ③ Competition analysis
- ④ Communication Solution
- ⑤ USP



Small-scale rooftop scenario application (one inverter)



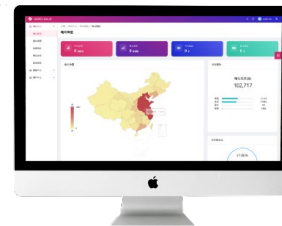
Solar Inverter-75~110kW



Ai-Dongle
WIFI Stick



Smart meter

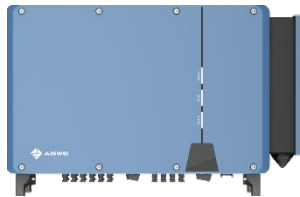
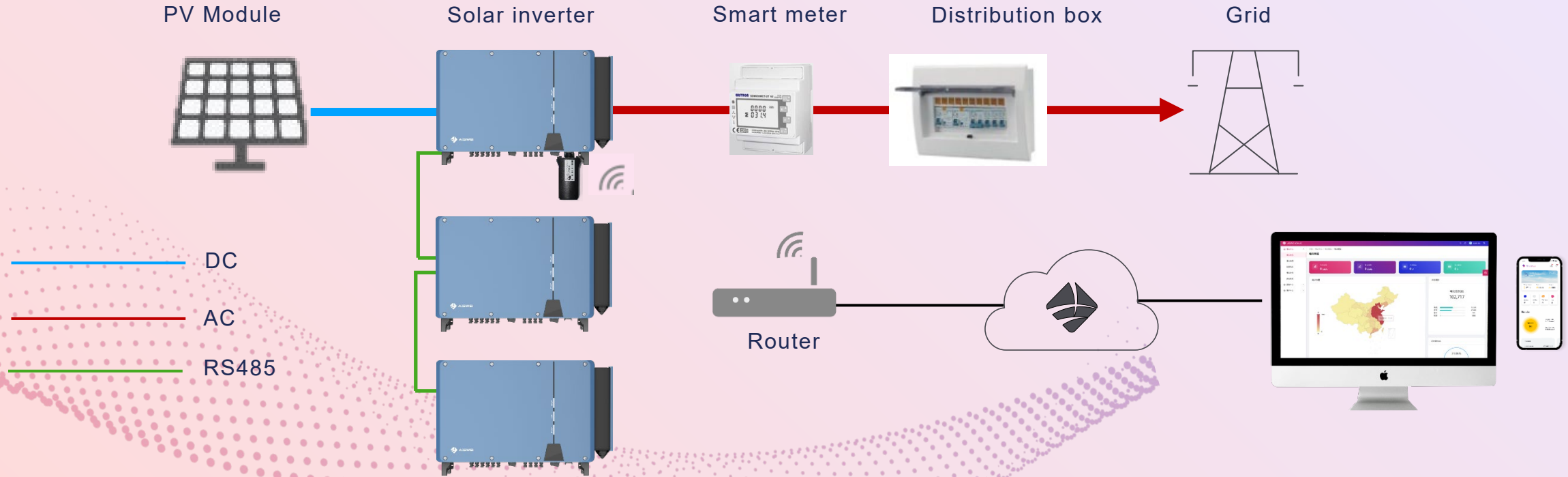


Solplanet APP or AiSWEI Cloud



We can also support
The Third Party monitoring
platform based on our
communication protocol and
Modbus Sunspec100 and
700 series protocol.

Medium-scale rooftop scenario application (Inverter<10pcs)



Solar Inverter-75~110kW



Ai-Dongle can monitor up to 10pcs devices.
Wi-Fi-Stick can monitor up to 5 pcs devices.

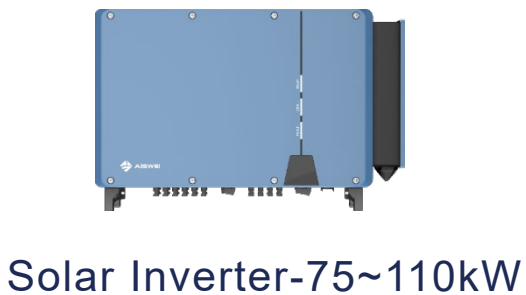
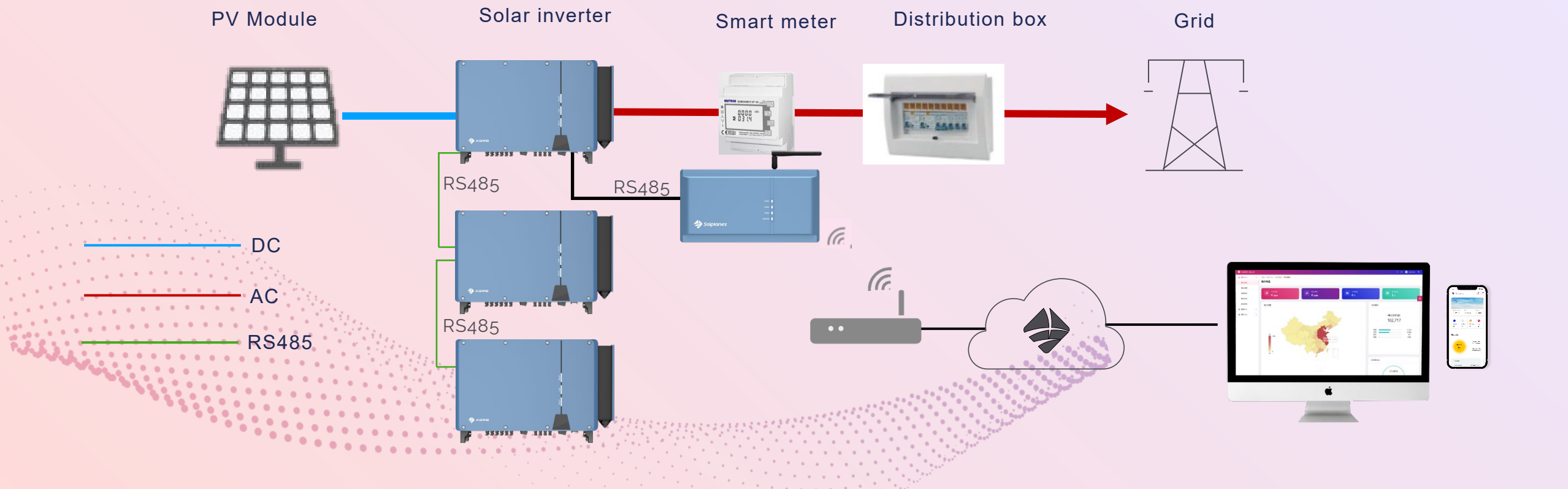


Smart meter

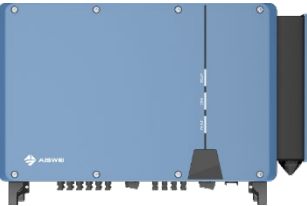
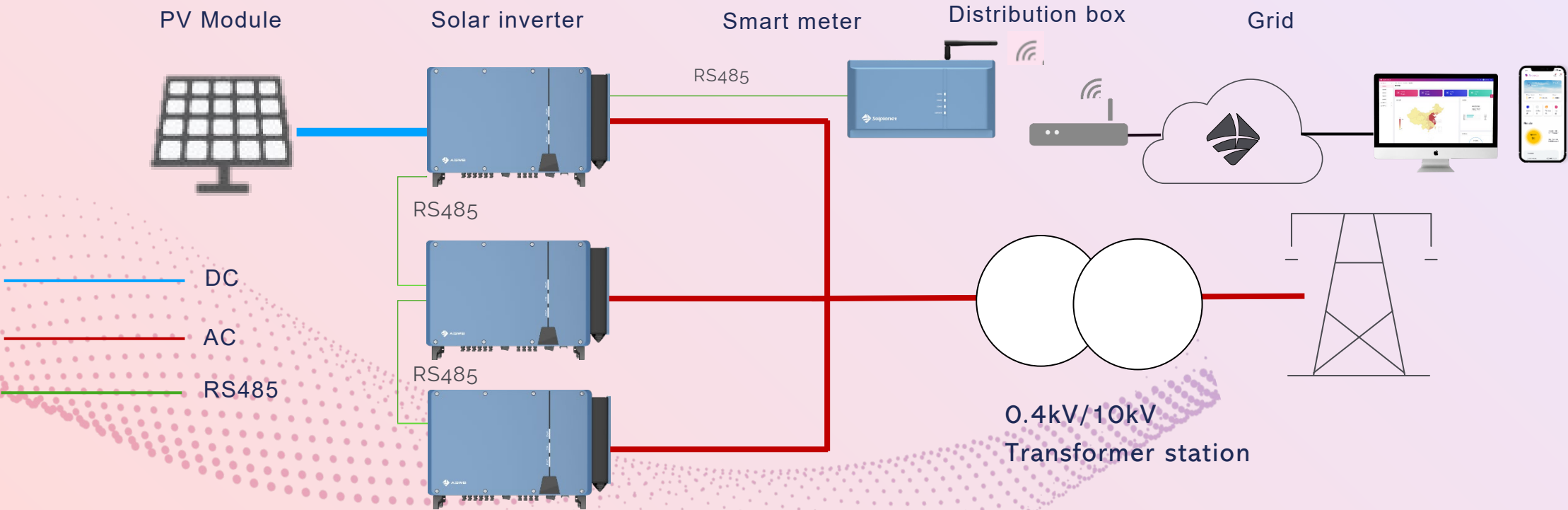


Solplanet APP
AiSWEICloud

Large-scale rooftop scenario application (>10PCS Inverter)



Small-scale utility scenario application (>=10 PCS Inverter)



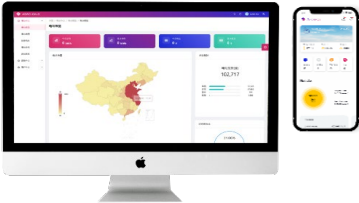
Solar Inverter-75~110kW



Ai-Logger



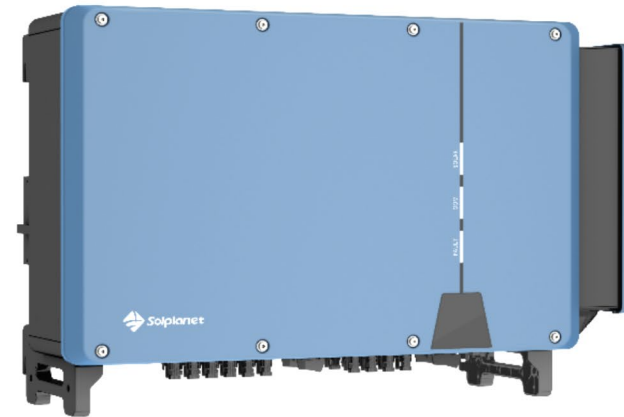
Smart meter



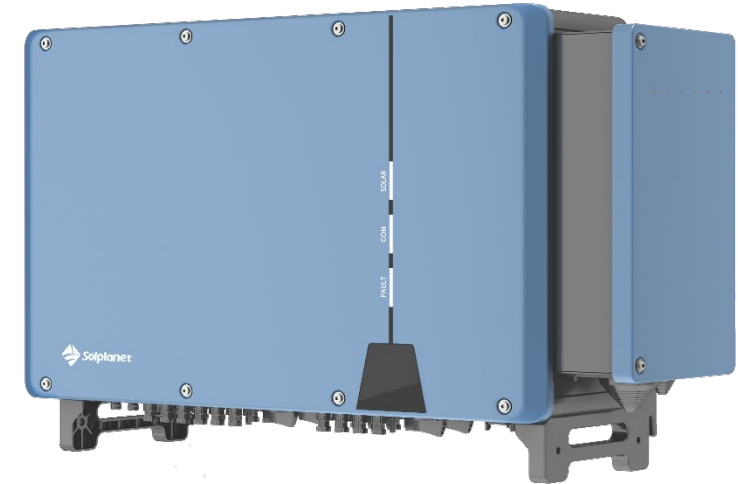
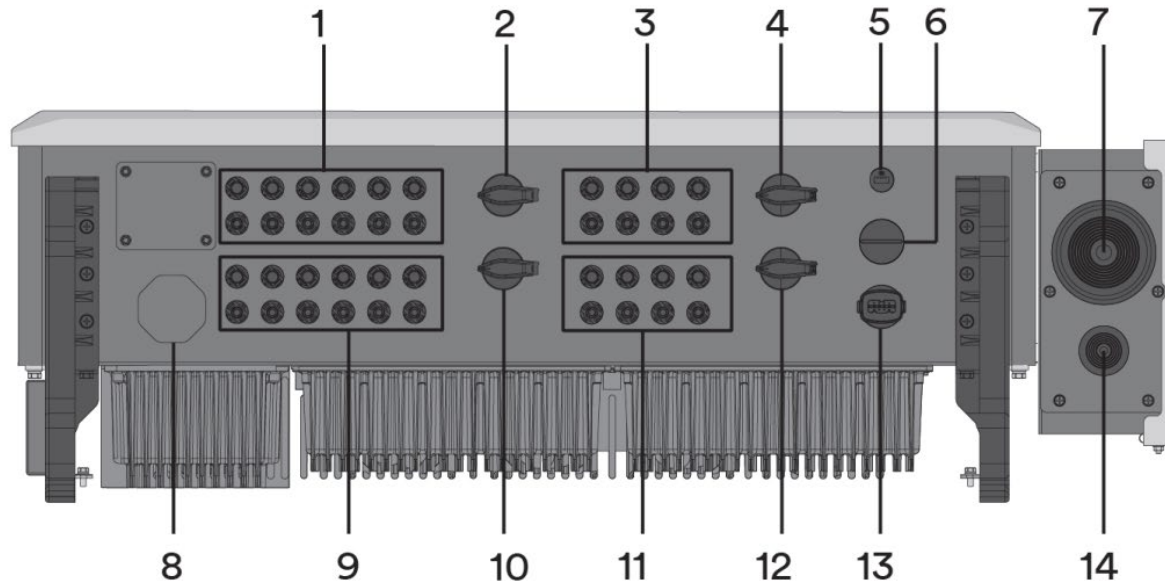
Solplanet APP
AiSWEICloud

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- ① Application Scenario
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Overview of the interface



- | | |
|--|---|
| 1 DC connector inputs 1-6 (connected to DC switch 1) | 8 Lock valve |
| 2 DC switch 1 | 9 DC connector inputs 7-12 (Connected to DC switch 2) |
| 3 DC connector inputs 13-16 (connected to DC switch 3) | 10 DC switch 2 |
| 4 DC switch 3 | 11 DC connector inputs 17-20 (Connected to DC switch 4) |
| 5 WiFi stick port | 12 DC switch 4 |
| 6 Reserved terminal | 13 RS485 Communication port |
| 7 AC cable - knockout seal | 14 Reserved grounding - knockout seal |



Main features of the product

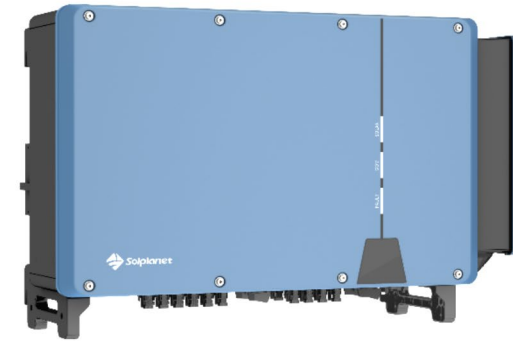
ASW75/80/100/110kW-LT



- High DC/AC ratio: 150%
- 10 MPPTs/32A
- Integrated DC isolator
- Toolless Phoenix DC connectors
- SPD: Type II DC/AC
- Max input current per string: 16A
- Smaller and lighter: 86kg
- IP66 for outdoor application
- Lower noise: < 65dB
- AC Connection type : OT/DT Max. 240mm²
- AFCI: **Optional**
- 24h consumption monitoring: **Optional**

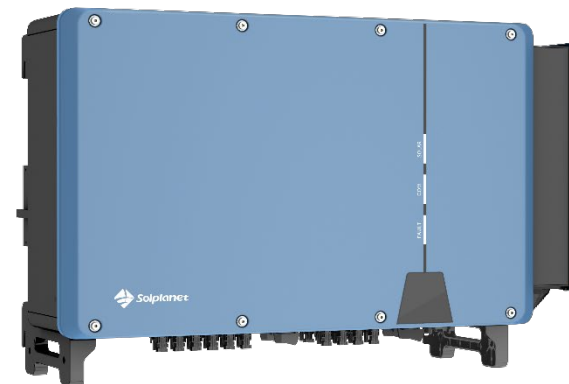
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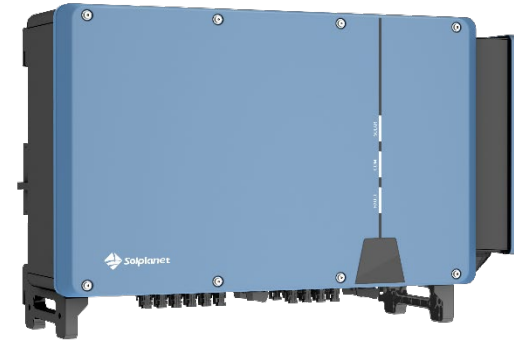
Hxwx VS Solplanet



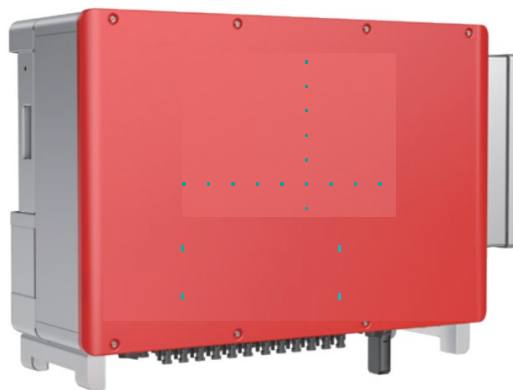
ITEM	HXWX	SOLPLANET	MARK
DC/ AC RATIO	/	150%	
NO OF MPPT	10	10	
NOISE LEVEL	<65DB	<65DB	
INPUT CURRENT PER MPPT	26A	32A	
SHORT CIRCUIT PER MPPT	40A	48A	
DC CONNECTOR	MC4	PHOENIX CONNECTORS	TOOLLESS AND EASY FOR INSTALLATION
24H CONSUMPTION MONITORING	Y	OPTIONAL	
WEIGH	90KG	86KG	
PROTECTION CLASS	IP66	IP66	



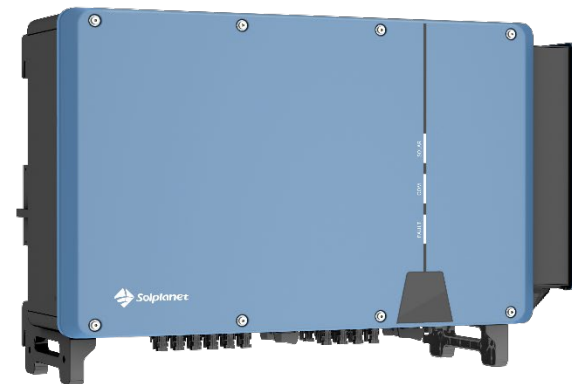
SxGx VS Solplanet



ITEM	SXGX	SOLPLANET	MARK
DC/ AC RATIO	140%	150%	
NO OF MPPT	12	10	
NOISE LEVEL	~	< 65DB	
INPUT CURRENT PER MPPT	30A	32A	
SHORT CIRCUIT CURRENT PER MPPT	40A	48A	
DC CONNECTOR	MC4	PHOENIX CONNECTORS	TOOLLESS AND EASY FOR INSTALLATION
24H CONSUMPTION MONITORING	Y	OPTIONAL	
WEIGH	87KG	86KG	
PROTECTION CLASS	IP66	IP66	
AC CONNECTION TYPE	OT/DT MAX.240MM2	OT/DT MAX.240MM2	



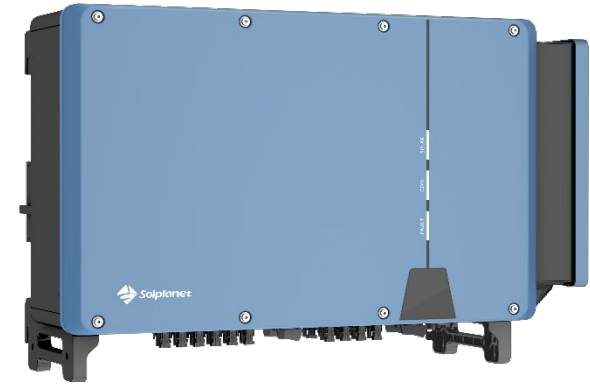
Gxdx VS Solplanet



ITEM	GXDX	SOLPLANET	MARK
DC/ AC RATIO	150%	150%	
NO OF MPPT	12	10	
NOISE LEVEL	/	<65DB	
INPUT CURRENT	30A	32A	
SHORT CIRCUIT	45A	48A	
DC CONNECTOR	MC4	PHOENIX CONNECTORS	TOOLLESS AND EASY FOR INSTALLATION
24H CONSUMPTION MONITORING	N	OPTIONAL	
WEIGH	99KG	86KG	
PROTECTION CLASS	IP66	IP66	



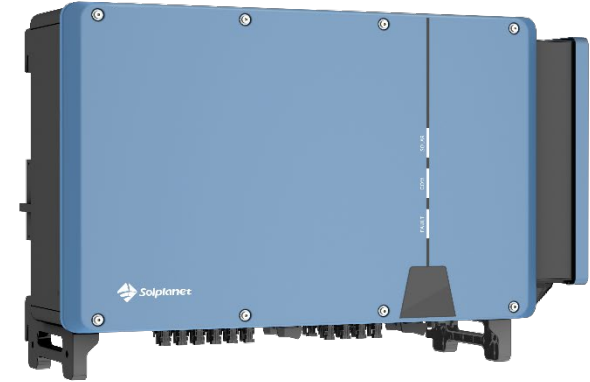
GxWx VS Solplanet



ITEM	GXWX	SOLPLANET	MARK
DC/ AC RATIO	150%	150%	
NO OF MPPT	10	10	
NOISE LEVEL	/	<65DB	
INPUT CURRENT CURRENT PER MPPT	32A	32A	
SHORT CIRCUIT CURRENT MPPT	40A	48A	
DC CONNECTOR	MC4	PHOENIX CONNECTORS	TOOLLESS AND EASY FOR INSTALLATION
24H CONSUMPTION MONITORING	N	OPTIONAL	
WEIGH	84KG	86KG	
PROTECTION CLASS	IP66	IP66	



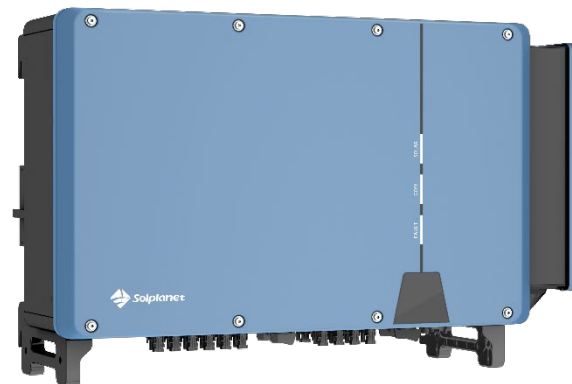
Sxfox VS Solplanet



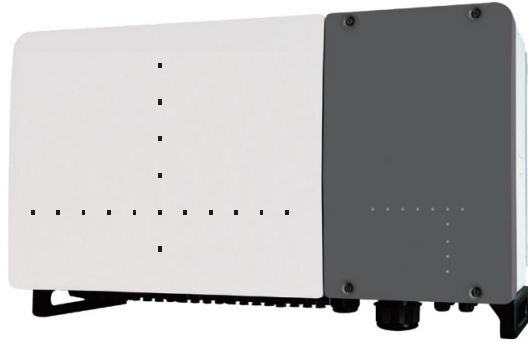
ITEM	SXFX	SOLPLANET	MARK
DC/ AC RATIO	/	150%	
NO OF MPPT	10	10	
NOISE LEVEL	/	<65DB	
INPUT CURRENT	26A	32A	
SHORT CIRCUIT	40A	48A	
DC CONNECTOR	MC4	PHOENIX CONNECTORS	TOOLLESS AND EASY FOR INSTALLATION
24H CONSUMPTION MONITORING	/	OPTIONAL	
WEIGH	90KG	86KG	
PROTECTION CLASS	IP66	IP66	



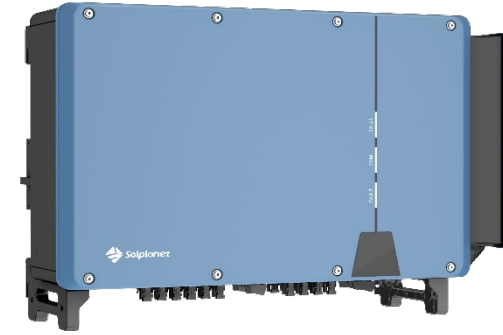
Fxx VS Solplanet



ITEM	FXX	SOLPLANET	MARK
DC/ AC RATIO	/	150%	
NO OF MPPT	10	10	
NOISE LEVEL	/	<65DB	
INPUT CURRENT	26A	32A	
SHORT CIRCUIT	40A	48A	
DC CONNECTOR	MC4	PHOENIX CONNECTORS	TOOLLESS AND EASY FOR INSTALLATION
24H CONSUMPTION MONITORING	Y	OPTIONAL	
WEIGH	90KG	86KG	
PROTECTION CLASS	IP66	IP66	



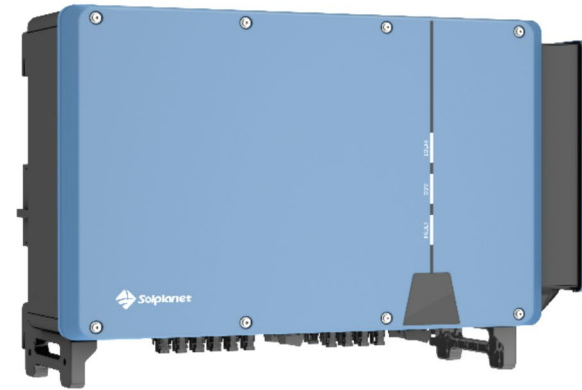
Sxlx VS Solplanet



ITEM	SXLX	SOLPLANET	MARK
DC/ AC RATIO	150%	150%	
NO OF MPPT	10	10	
NOISE LEVEL	/	<65DB	
INPUT CURRENT	26A	32A	
SHORT CIRCUIT	40A	48A	
DC CONNECTOR	MC4	PHOENIX CONNECTORS	TOOLLESS AND EASY FOR INSTALLATION
24H CONSUMPTION MONITORING	Y	OPTIONAL	
WEIGH	91KG	86KG	
PROTECTION CLASS	IP66	IP66	

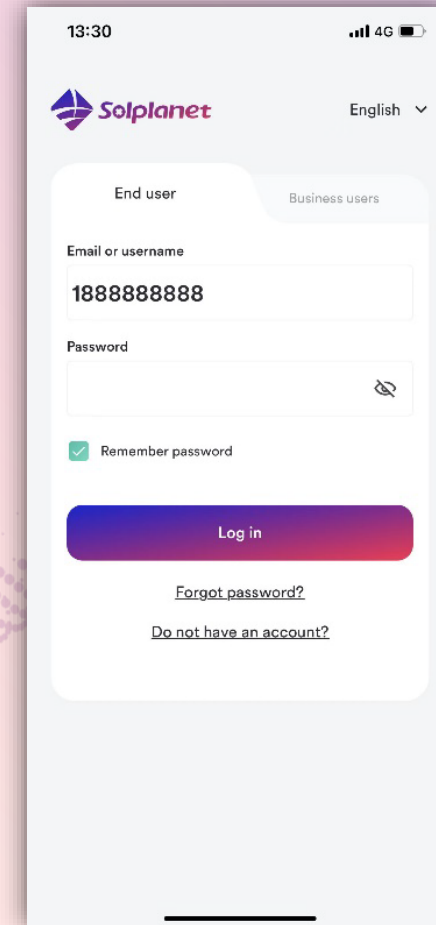
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Solplanet APP

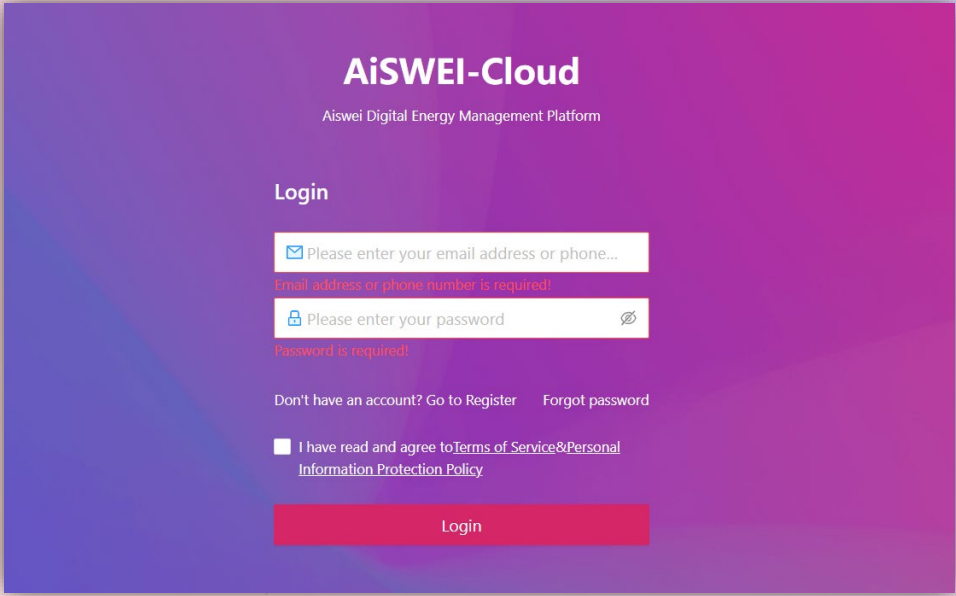
- App „tool“ for installers/end users
- iOS and Android
- Main functions
 - Monitoring
 - Commissioning
 - Grid code
 - Export Power Limit
 - Active/reactive power modes
 - Shadow management
 - PV plant sharing
 - Data migration
 - Modify parameters remotely



Aiswei-Cloud

- Web page „tool“ for installers
- PC side operation
- Main functions
 1. Plant Overview Data View
 2. Collector Batch Management
 3. Inverter Batch Management
 4. Management Organization
 5. Create Plant
 6. Warranty Inquiry
 7. Plant Report Management

Web link: <https://pro.aisweicloud.com/user/login>



The login page features a purple and blue gradient background. At the top, the 'Aiswei-Cloud' logo is displayed above the subtitle 'Aiswei Digital Energy Management Platform'. Below this, a 'Login' section contains two input fields: one for email/phone and one for password. Red error messages are visible below each field. A 'Login' button is positioned at the bottom. Links for 'Go to Register' and 'Forgot password' are located above the button. A checkbox for terms and conditions is also present.

Aiswei-Cloud
Aiswei Digital Energy Management Platform

Login

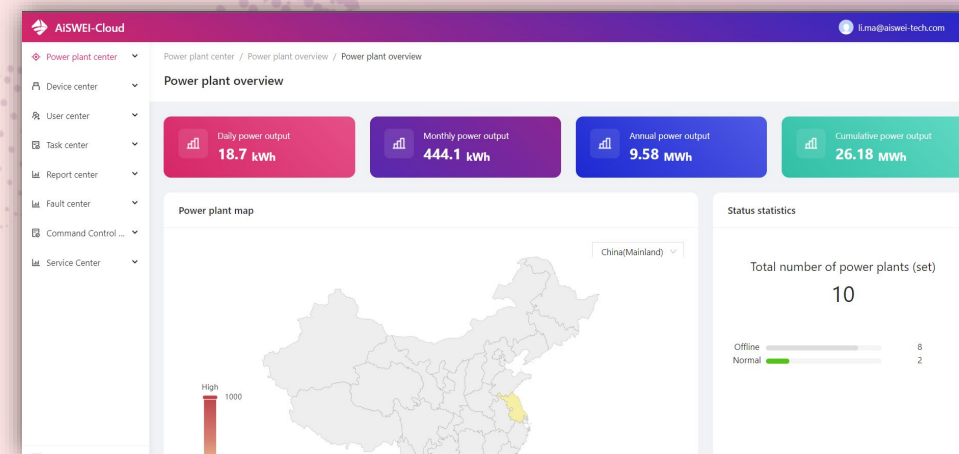
Please enter your email address or phone...
Email address or phone number is required!

Please enter your password
Password is required!

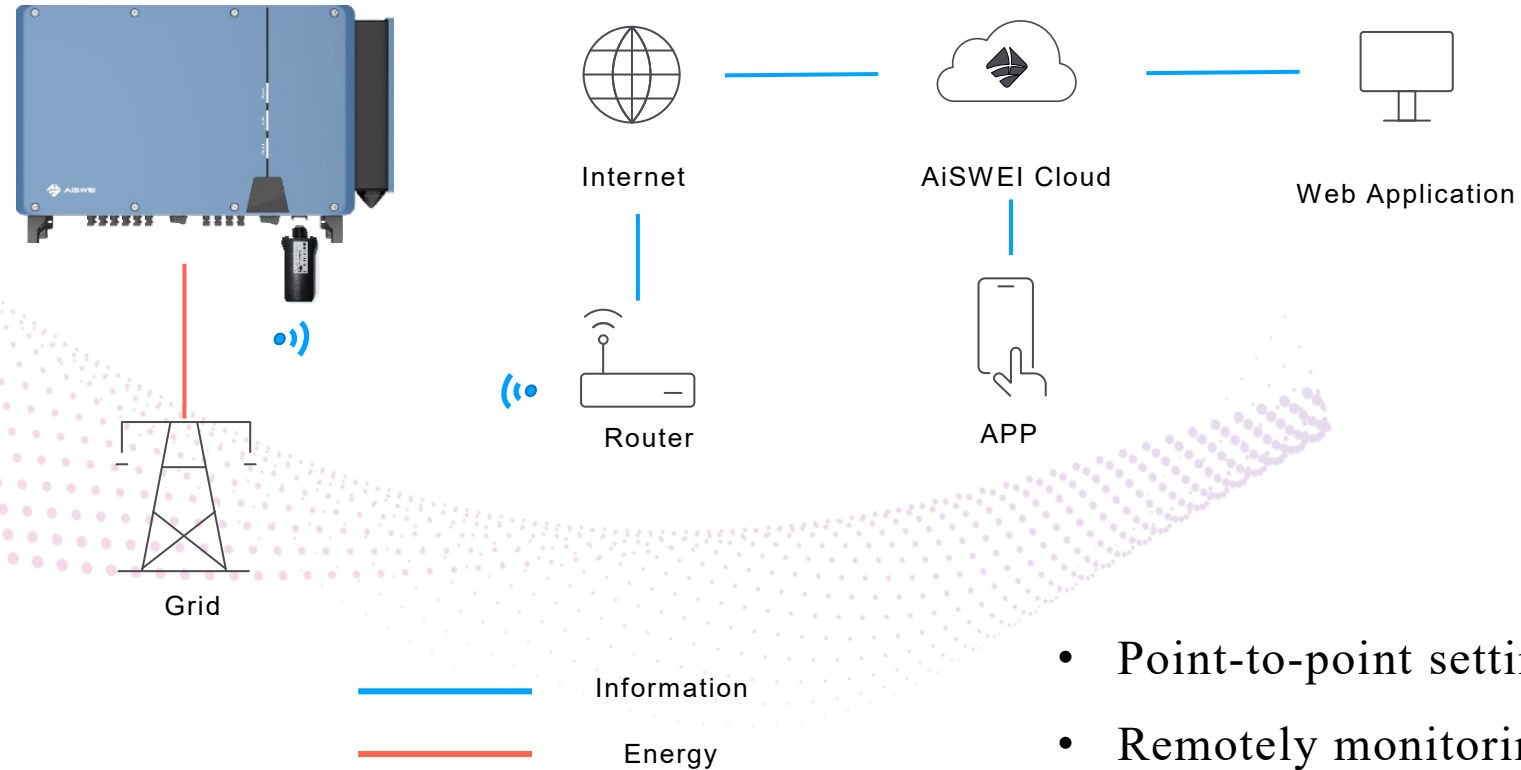
Don't have an account? [Go to Register](#) [Forgot password](#)

☐ I have read and agree to [Terms of Service](#) & [Personal Information Protection Policy](#)

Login

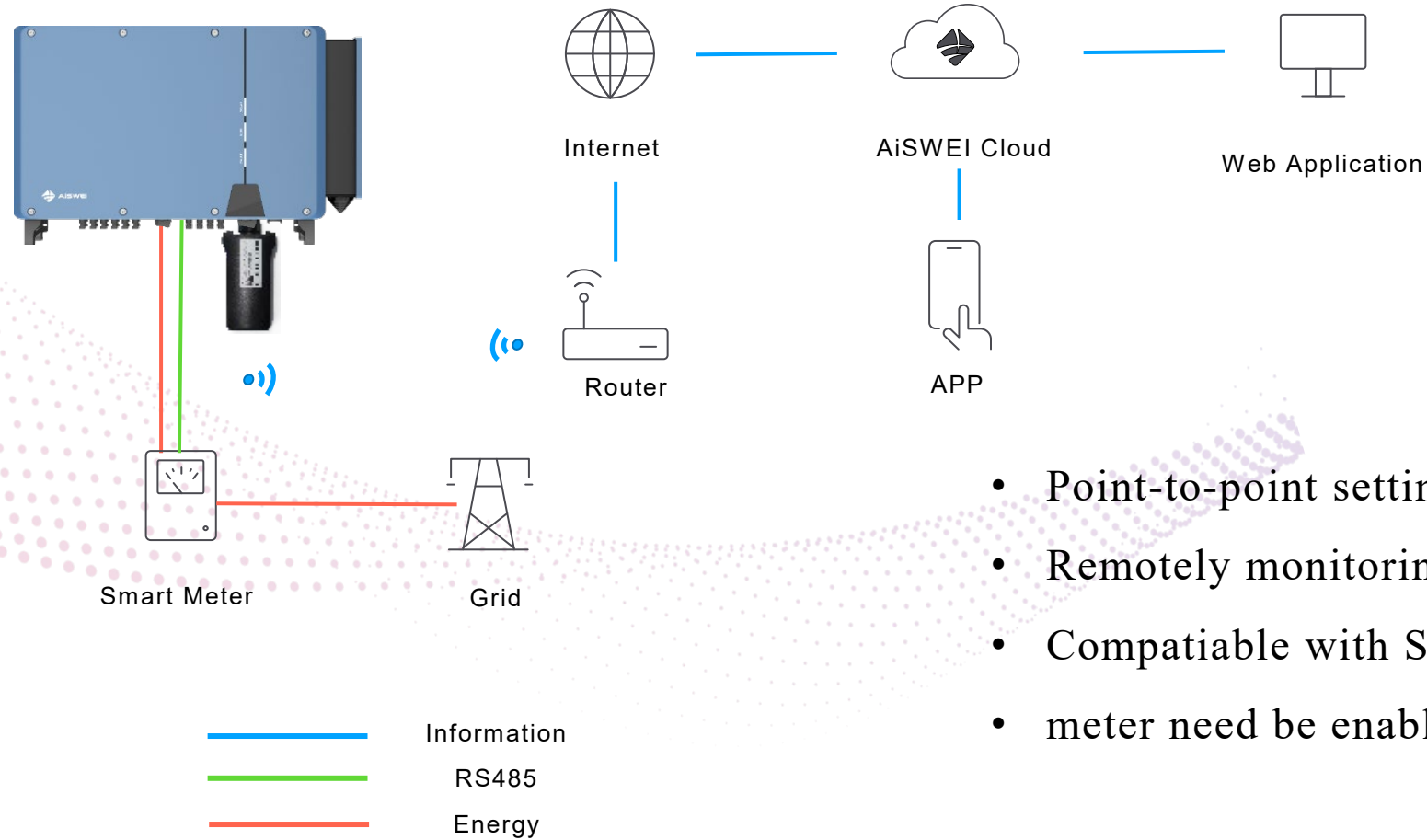


Single inverter with WiFi stick for Monitoring



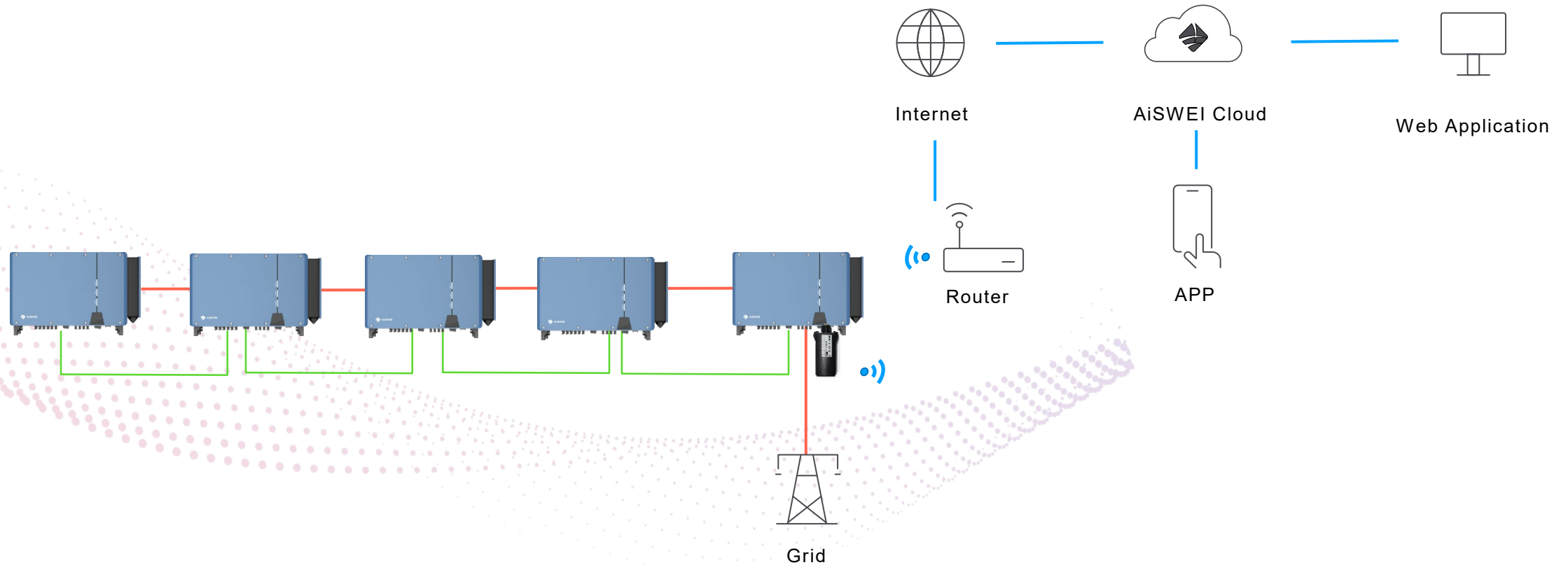
- Point-to-point setting
- Remotely monitoring

Single inverter with WiFi stick for 0-export



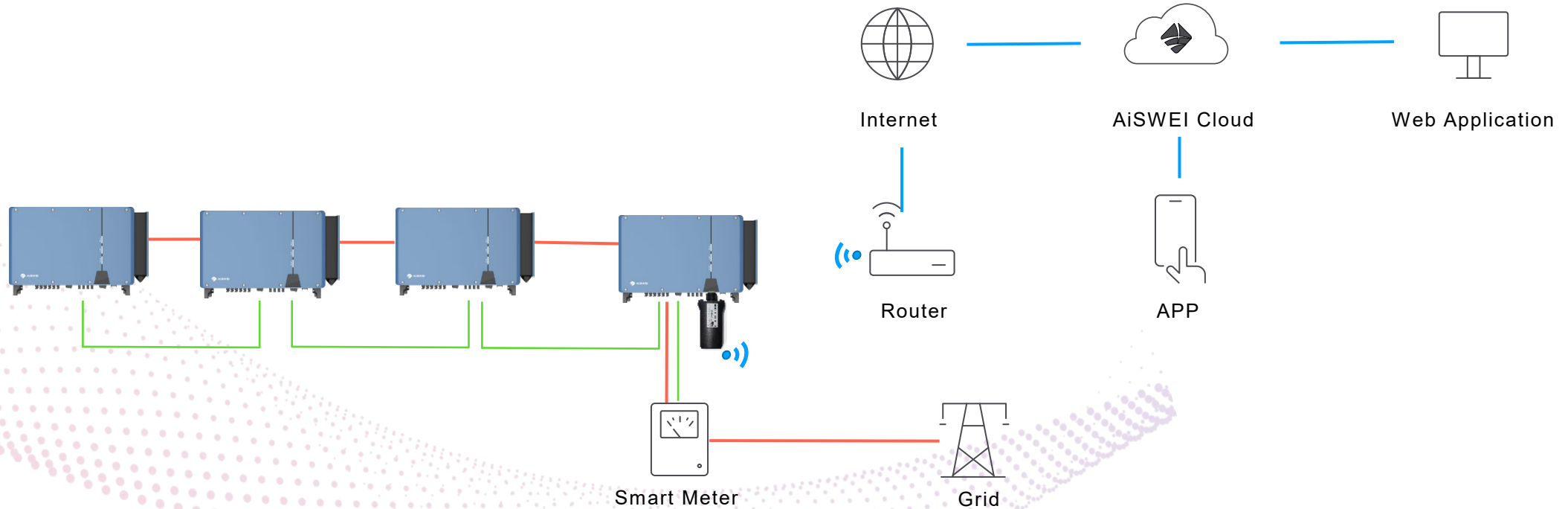
- Point-to-point setting
- Remotely monitoring
- Compatible with SDM630-Modbus
- meter need be enabled by APP

Multiple inverters with WiFi stick for Monitoring



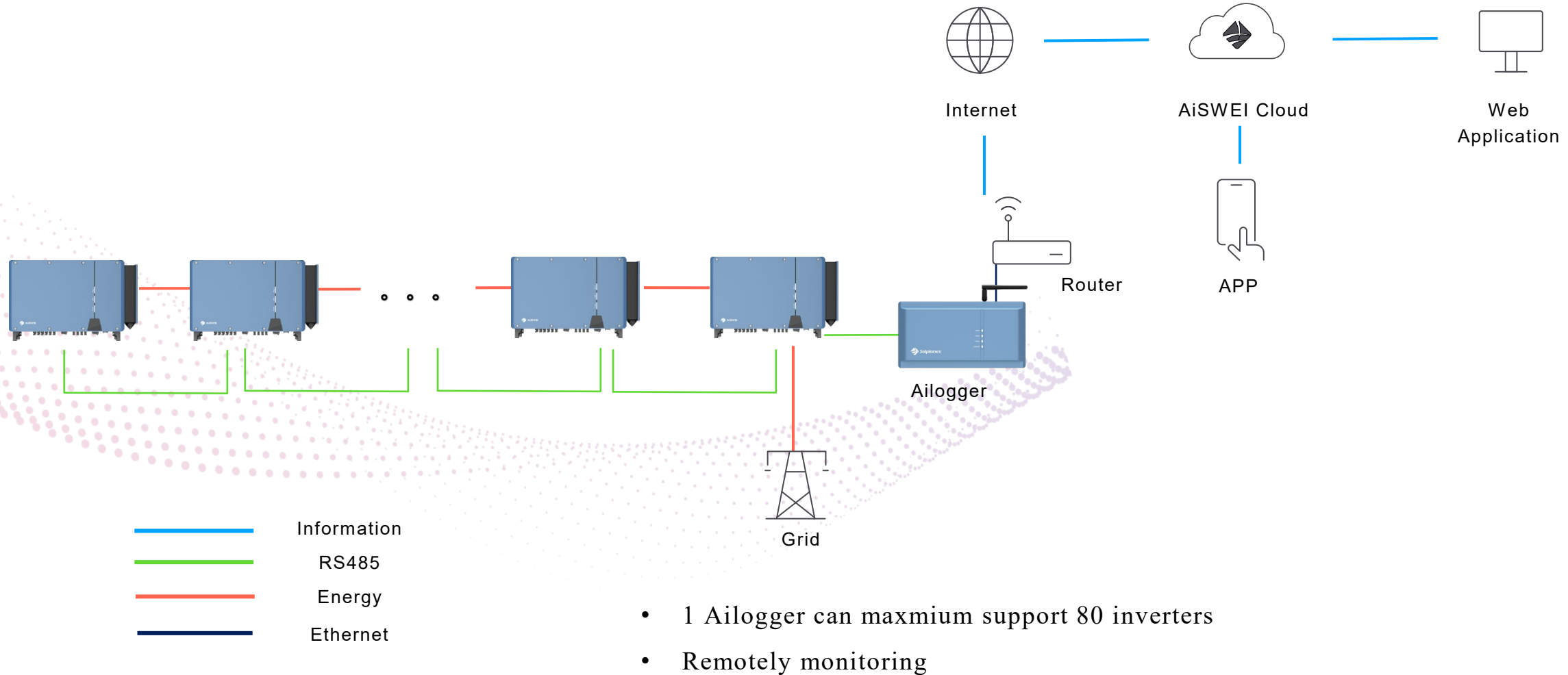
- 1 WiFi stick can maximum support 5 inverters
- 1 Ai-dongle can maximum support 10 inverters
- Connect by daisy Chain

Multiple inverters with WiFi stick for 0-export

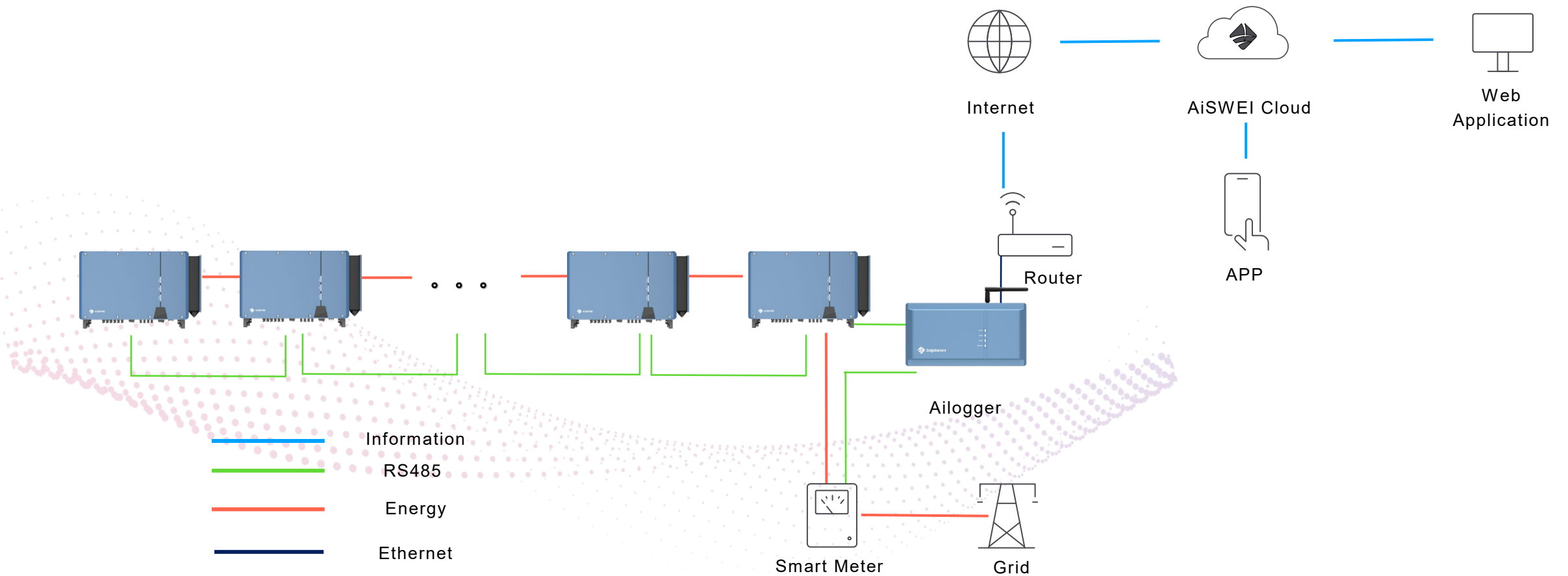


- 1 WiFi stick + 1 Smart meter can maximum support 4 inverters
- 1 Ai-dongle+ 1 smart meter can maximum support 9 inverters
- When main current $\geq 100\text{A}$, meter is SDM630MCT
- When main current $< 100\text{A}$, meter is SDM630-Modbus
- Support Normal Mode and Min. phase Mode for 0-export limitation

Multiple inverters with Ai-logger for Monitoring



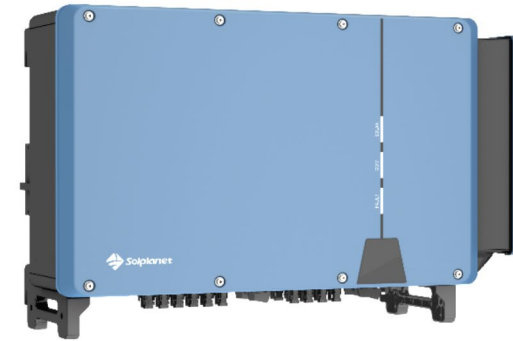
Multiple inverters with Ai-logger for 0-export



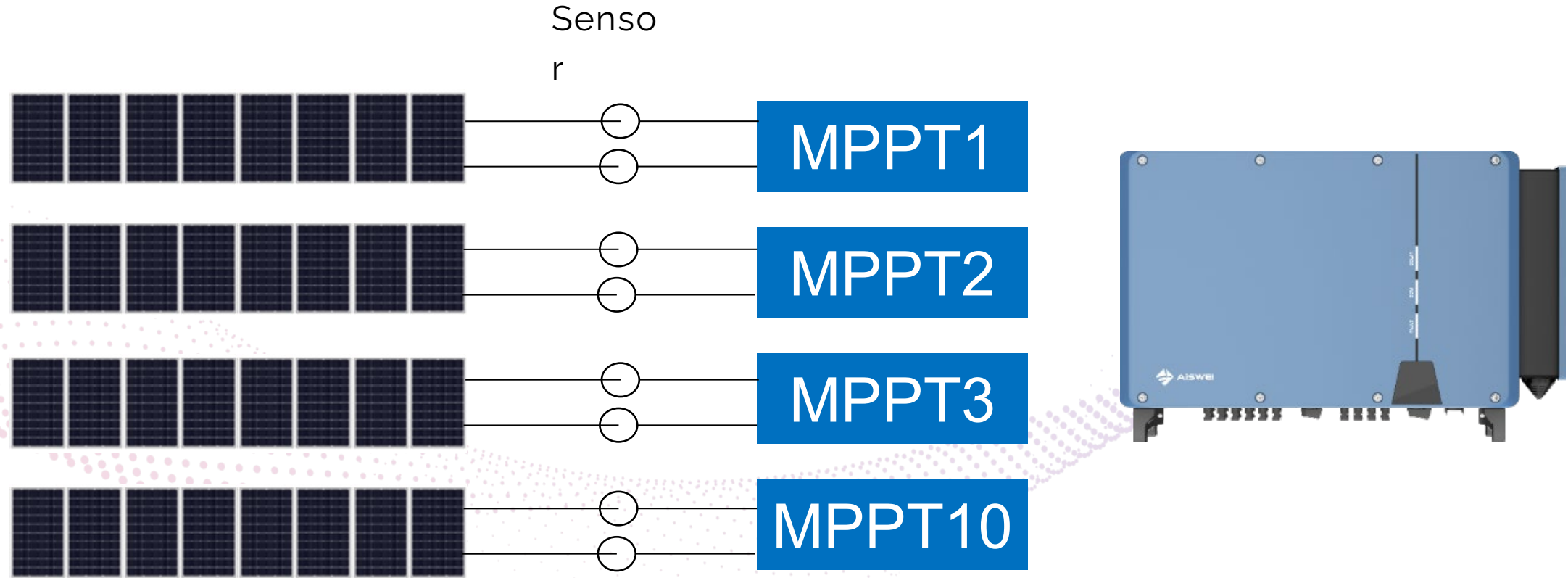
- 1 Ai-logger + 1 Smart meter can maximum support 60 inverters
- Support Normal Mode and Min. phase Mode for 0-export limitation

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- ④ Communication Solution
- ⑤ **USP**



String-level high precision monitoring



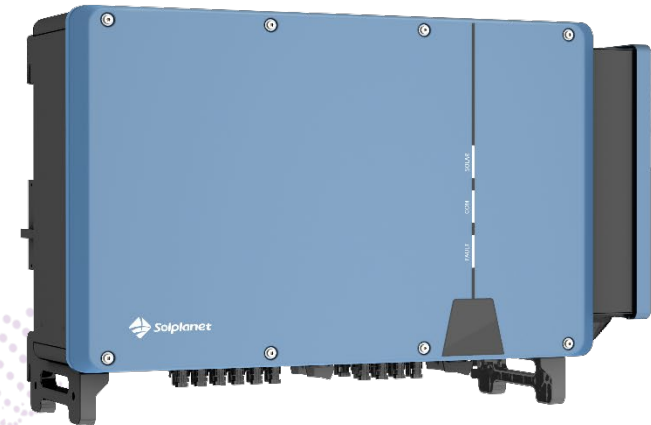
String-level high-precision detection facilitates timely detection of faults and reduces O&M cost

High degree of protection for outdoor application

IP66

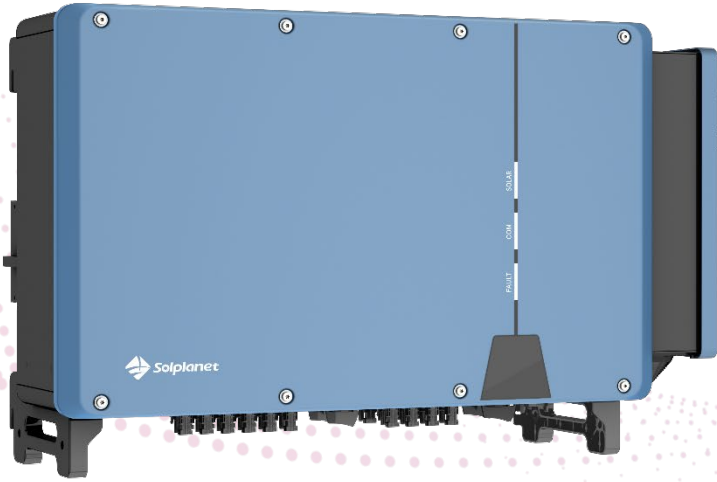
Water resistant against powerful jets

Totally protected against dust



IP(INGRESS PROTECTION)

Reliable structure



- LED indicators instead of LCD screen
- IP66, outdoor level, with high waterproof capacity
- 2M3, high shaking-proof level, suitable for long-time transport
- Beautiful family style
- High quality design
- Compact design, smaller and lighter
- Easy to transport and install
- The noise level is less than 65dB

Phoenix Sunclix DC connector

Assembly



① Insert the stripped PV conductor

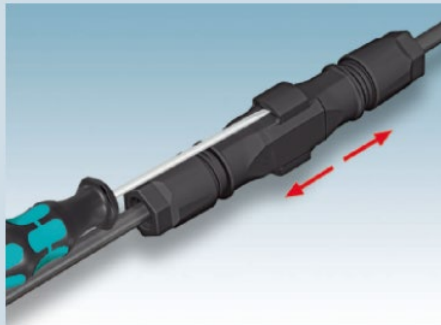


② Press down on the spring and snap in



③ Tighten the screw connection and you're done!

Release



Can only be released using a screwdriver

- Toolless connection
- Fast and easy installation
- More reliable connecting avoiding DC arcing



High quality of EMC



- 100% comply with EMC regulation
- Certificate based on IEC61000 regulation
- No difference between mass production and test samples

High DC input current 16A per string,32A per MPPT

Model name	Max operating Input Current (A) Per Mppt	Max Short-circuit Input Current (A) per Mppt
ASW75K-LT	32	48
ASW80K-LT	32	48
ASW100K-LT	32	48
ASW110K-LT	32	48

- Compatible with high power panels, including 166mm, 182mm, 210mm.

Electrical Characteristics	STC: AM1.5 1000W/m² 25°C		NOCT: AM1.5 800W/m² 20°C 1m/s		Test uncertainty for Pmax: ±3%			
Module Type	LR5-54HTH-415M		LR5-54HTH-420M		LR5-54HTH-425M		LR5-54HTH-430M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	415	310	420	314	425	318	430	321
Open Circuit Voltage (Voc/V)	38.53	36.18	38.73	36.36	38.93	36.55	39.13	36.74
Short Circuit Current (Isc/A)	13.92	11.24	14.00	11.31	14.07	11.36	14.15	11.43
Voltage at Maximum Power (Vmp/V)	32.24	29.42	32.44	29.60	32.64	29.78	32.84	29.97
Current at Maximum Power (Imp/A)	12.88	10.54	12.95	10.60	13.03	10.67	13.10	10.72
Module Efficiency(%)	21.3		21.5		21.8		22.0	

ELECTRICAL DATA (STC)	TSM-405 DE09R.05W	TSM-410 DE09R.05W	TSM-415 DE09R.05W	TSM-420 DE09R.05W	TSM-425 DE09R.05W
Peak Power Watts-P _{MAX} (Wp)*	405	410	415	420	425
Power Tolerance-P _{MAX} (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage-V _{MPP} (V)	41.3	41.5	41.7	42.0	42.2
Maximum Power Current-I _{MPP} (A)	9.82	9.87	9.94	10.01	10.08
Open Circuit Voltage-V _{oc} (V)	49.7	49.8	50.0	50.1	50.2
Short Circuit Current-I _{sc} (A)	10.50	10.53	10.55	10.58	10.61
Module Efficiency η _m (%)	20.3	20.5	20.8	21.0	21.3

STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5 *Measuring tolerance: ±3%

Compatible Optimizer

Tigo[®]

June 23rd, 2022



Declaration of Operational Compliance between Tigo TS4 Platform and AISWEI Inverters

Tigo and AISWEI are pleased to announce that the following inverter products from AISWEI Solplanet:

ASW1000S-S	ASW06kH-T1	ASW3K-LT-G2 Pro	ASW25K-LT-G3
ASW1500S-S	ASW08kH-T1	ASW4K-LT-G2 Pro	ASW27K-LT-G3
ASW2000S-S	ASW10kH-T1	ASW5K-LT-G2 Pro	ASW30K-LT-G3
ASW3000S-S	ASW12kH-T1	ASW6K-LT-G2 Pro	ASW33K-LT-G3
	ASW15kH-T1	ASW8K-LT-G2 Pro	ASW36K-LT-G3
ASW3000-S		ASW10K-LT-G2 Pro	ASW40K-LT-G3
ASW3680-S	ASW3000H-S2	ASW12K-LT-G2 Pro	ASW45K-LT-G3
ASW4000-S	ASW3680H-S2	ASW15K-LT-G2 Pro	ASW50K-LT-G3
ASW5000-S	ASW4000H-S2	ASW17K-LT-G2 Pro	ASW60K-LT-G3
	ASW5000H-S2	ASW20K-LT-G2 Pro	
	ASW6000H-S2	ASW25K-LT-G2 Pro	ASW80K-LT
ASW3000-T		ASW45K-LT-G2 Pro	ASW100K-LT
ASW4000-T	ASW3000-S-G2	ASW50K-LT-G2 Pro	ASW110K-LT
ASW5000-T	ASW3680-S-G2		ASW120K-LT
ASW6000-T	ASW4000-S-G2	ASW45K-LT-G2	
ASW8000-T	ASW5000-S-G2	ASW50K-LT-G2	
ASW10000-T	ASW6000-S-G2		

are **operationally compatible** with the following TS4 products from Tigo:

TS4-O
TS4-A-O

TS4-S
TS4-A-S

Tigo has conducted testing and validated the effective performance of the systems together within standard testing environments. Warranties from AISWEI and Tigo will remain valid if the design, installation, and operation requirements are followed for each product.

Contact Tigo Support with any questions regarding Tigo TS4 Module Platform equipment at support@tigoenergy.com or (408)402-0802.

Tigo Energy, Inc.
655 Campbell Technology Pkwy, Suite 150
Campbell, CA 95008

**AISWEI New Energy Technology (Jiangsu)
Co., Ltd.**
No. 198, Xiangyang Road
Suzhou, Jiangsu, China 215011



AP3K-UM

3 kW

1 phase

SunSpec Compliant

Why APsmart

News

Partners

Resources

RSD-S

RSD-D

AP3K-UM

AISWEI

ASW110K-LT

110 kW

3 phase

Outdoor Kit Compatible

RSD-S

RSD-D

AISWEI

ASW100K-LT

100 kW

3 phase

Outdoor Kit Compatible

RSD-S

RSD-D

AISWEI

ASW80K-LT

80 kW

3 phase

Outdoor Kit Compatible

RSD-S

RSD-D

AISWEI

ASW50K-LT-G2 Pro

50 kW

3 phase

Outdoor Kit Compatible

RSD-S

RSD-D

AISWEI

ASW45K-LT-G2 Pro

45 kW

3 phase

Outdoor Kit Compatible

RSD-S

RSD-D

AISWEI

ASW40K-LT-G3

40 kW

3 phase

Outdoor Kit Compatible

RSD-S

RSD-D

AISWEI

ASW36K-LT-G3

36 kW

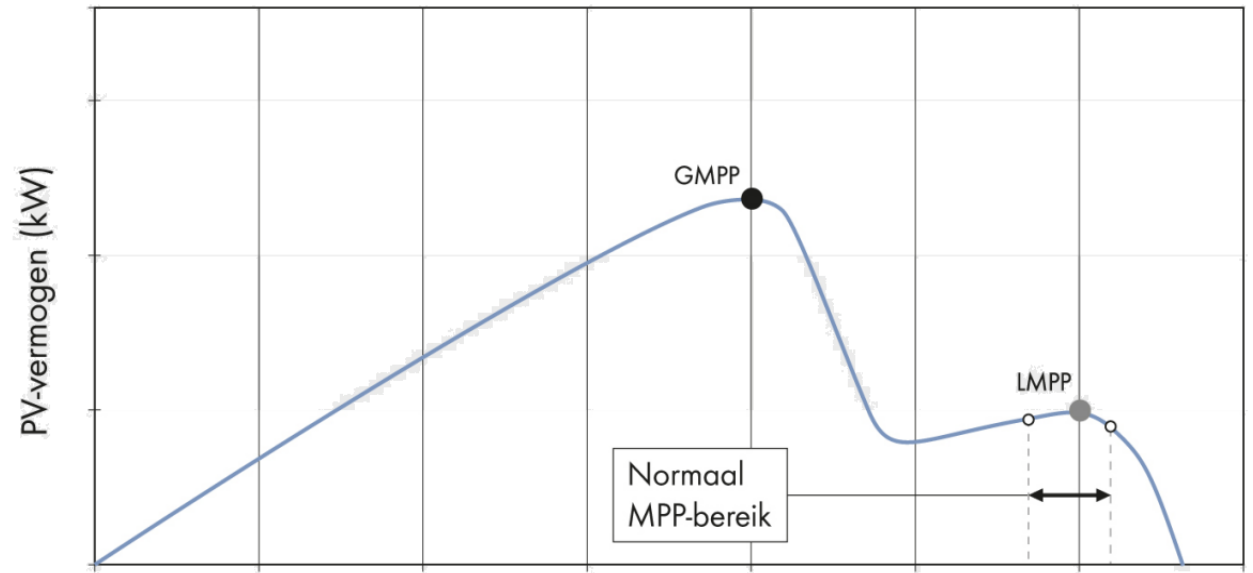
3 phase

Outdoor Kit Compatible

RSD-S

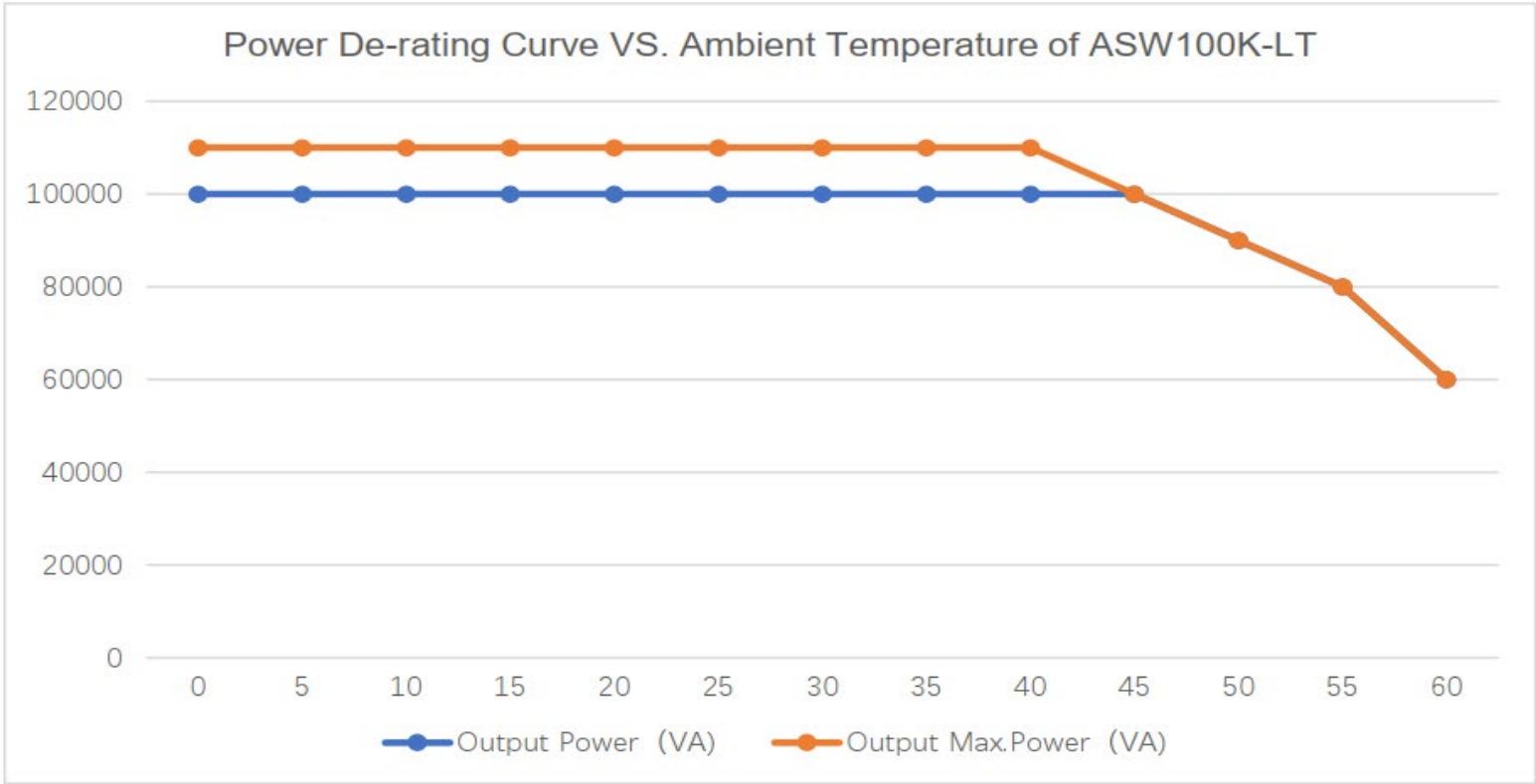
RSD-D

Shadow Management Solplanet ShadeSol



- High performance by global scanning
- Reliable and easy to install
- User friendly, no more other hardware

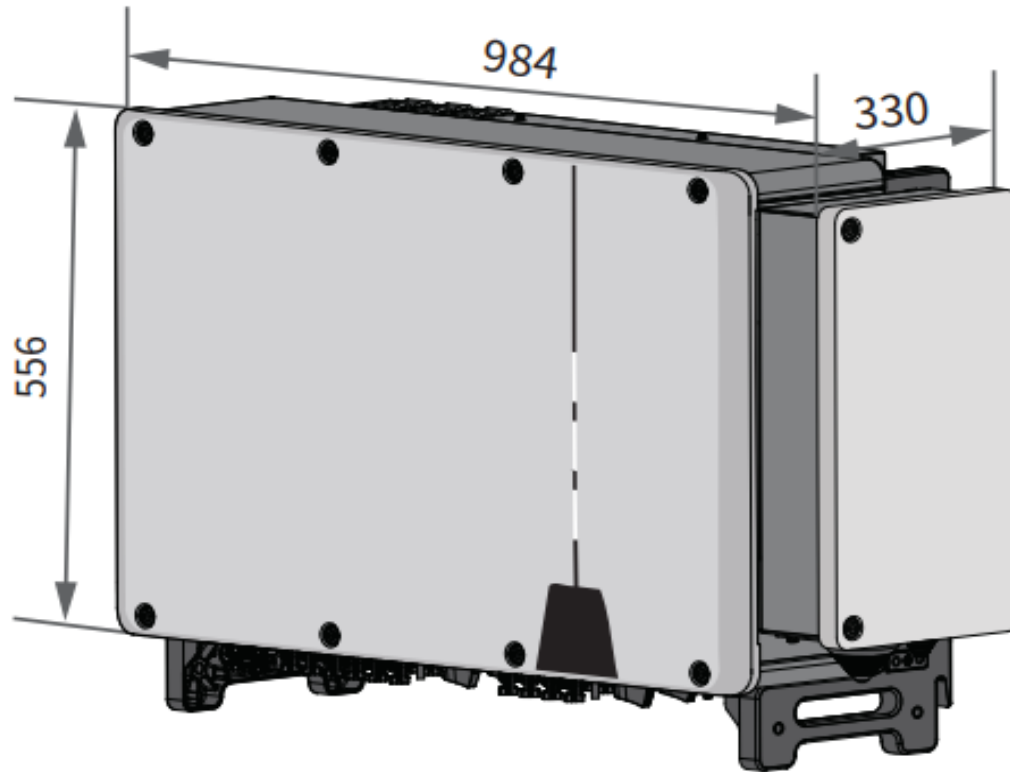
Power De-rating Curve VS. Ambient Temperature



- **Rated power @45°C**
Apparent power@ 40°C
- **Batter than other competitors.**
normally ,the rated power at 40°C.

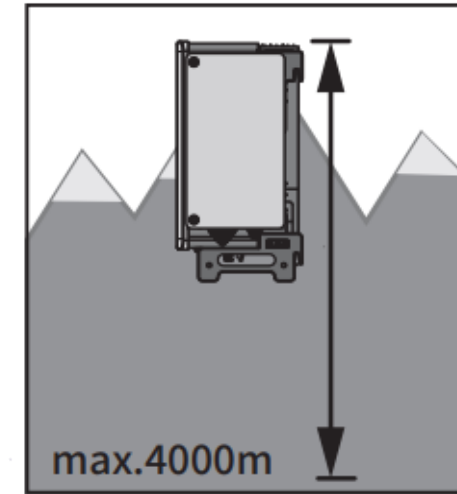
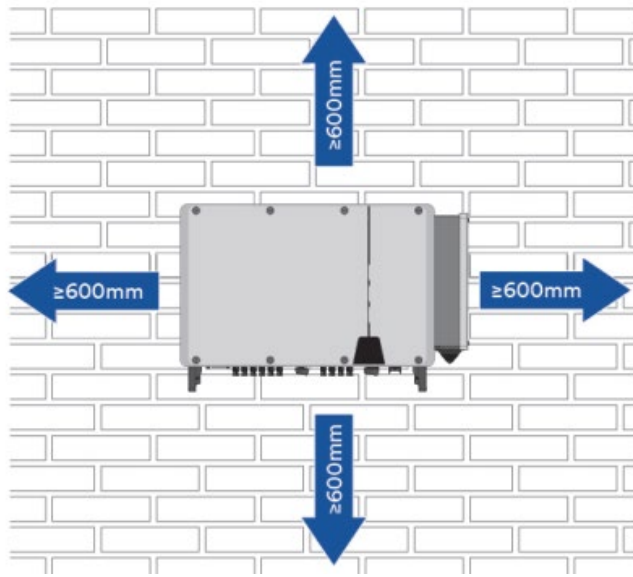
Model	-25°C	25°C	30°C	35°C	40°C
ASW100K-LT	110 kVA	110 kVA	110 kVA	110 kVA	110 kVA
	45°C	50°C	55°C	60°C	
	100 kVA	90 kVA	80 kVA	60 kVA	

Compact design, smaller and lighter

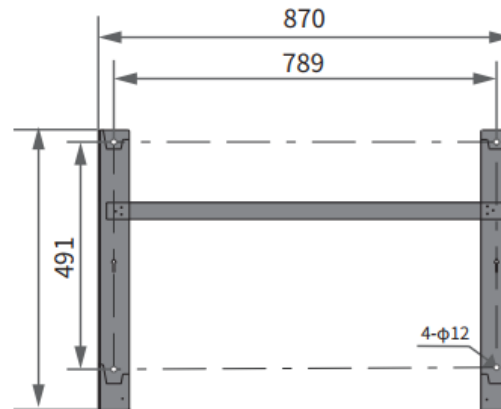
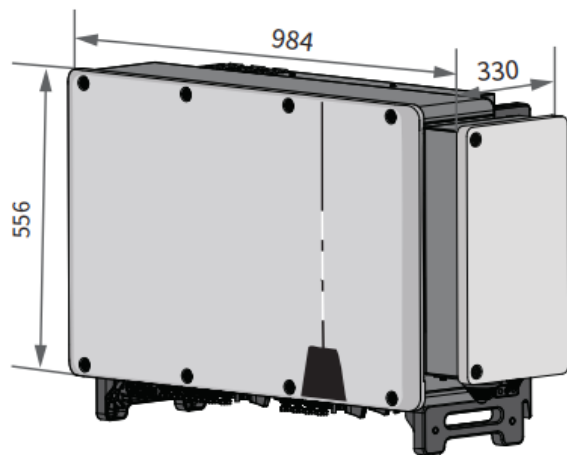


The weigh is $< 86\text{kg}$
Easy installation.

Installation



Unit:mm



- Support two mount methods, wall-mounted and bracket mounted.
- For more details, please refer to the quick installation guide and user manual.
- We are preparing the installation video and will be released in the coming days.

