



Solar for everybody

Product brochure



A photograph of a man and a woman from behind, standing on a rocky hillside. They are looking out at a vast landscape under a sky filled with orange and pink hues from a setting sun. The man is wearing a brown beanie and a textured sweater, while the woman has long blonde hair and is wearing a patterned top.

The power
of the sun
for the
future of
our planet

Photo by Nathan Dumiao

 Solplanet

Solar for everybody

The future is solar for everybody

At Solplanet, we are driven by a simple idea: solar for everybody. We strive to create the best possible experience for distributors, installers and end users. That's why our products are easy-to-install, reliable and user-friendly.

Solplanet photovoltaic inverters are manufactured in compliance with international high-quality standards. Our annual production capacity exceeds 10GW. So, chances are we can meet your demand.



Photo by Leon Biss

You can depend on Solplanet

Solplanet is a brand of AISWEI, who has been manufacturing inverters since 2007. AISWEI, also formerly known as SMA's Chinese subsidiary, has successfully been manufacturing high-quality and reliable products for renowned brands like SMA since 2017 and Zeversolar since 2013. Today, AISWEI is an independent research, development and manufacturing company. A recent equity restructuring puts AISWEI on particularly strong financial footing within the industry.

Solplanet makes things easy

Solplanet products are easy-to-install, reliable and user-friendly. We offer a variety of quality products with industry leading warranties that you can depend on: single phase inverters, three phase inverters and connect & monitoring products. In addition we also offer our new hybrid inverters.

Easy-to-install Reliable User-friendly

We strive to create the best possible experience for distributors, installers and end users. That's why our products are easy-to-install, reliable and user-friendly.



Easy-to-install

- Quick & easy-to-install with standard tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP rated design for outdoor use



User-friendly

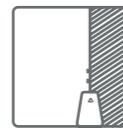
- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Award winning inverter design



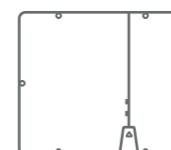
Our product range:

We offer single phase and three phase inverters alongside our monitoring products:

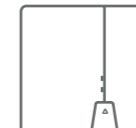
Single Phase
Inverters
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Three Phase
Inverters
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Hybrid Inverters
Page 34



Connect & Monitor
Page 40



Single phase inverters

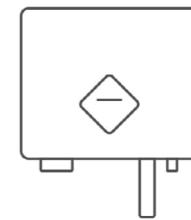
Photo by Liana Mikah



Perfect for home
& small business
applications

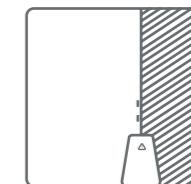
ASW S-S SERIES

- ASW1000S-S
- ASW1500S-S
- ASW2000S-S
- ASW3000S-S



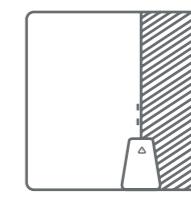
ASW S SERIES

- ASW3000-S
- ASW3680-S
- ASW4000-S
- ASW5000-S



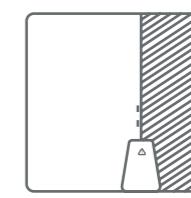
ASW S SERIES

- ASW6000-S
- ASW8000-S
- ASW10000-S



ASW S-G2 SERIES

- ASW3000-S-G2
- ASW3680-S-G2
- ASW4000-S-G2
- ASW5000-S-G2
- ASW6000-S-G2



ASW S Series



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP65 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Distinguishable connection interfaces

Technical Datasheet

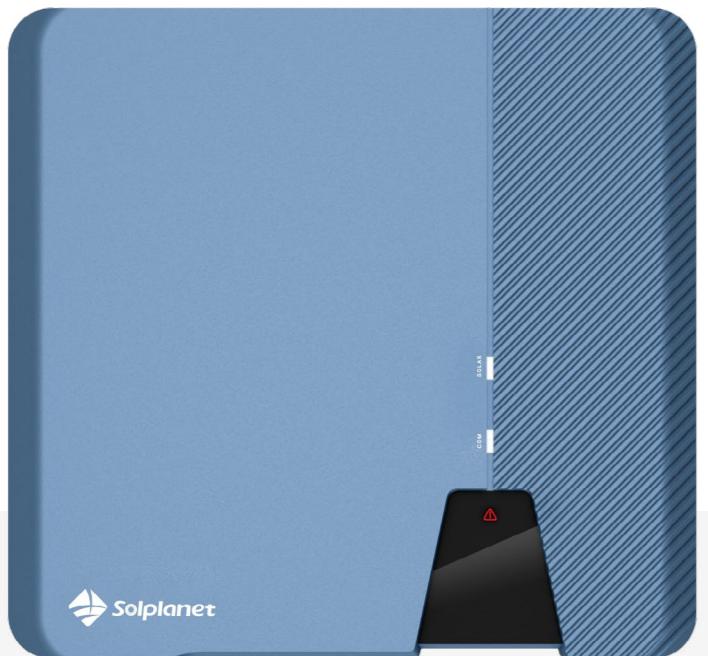
	ASW1000S-S	ASW1500S-S	ASW2000S-S	ASW3000S-S
Input (DC)				
Max. PV array power	1500 Wp STC	2250 Wp STC	3000 Wp STC	4500 Wp STC
Max. input voltage		580 V		
MPP voltage range / rated input voltage		80 V to 550 V / 360 V		
Min. input voltage		80 V		
Initial. feed in voltage		100 V		
Max. operating input current		12 A		
Max. short circuit current		18 A		
No. of independent MPPT inputs / strings per MPPT input		1 / 1		
Output (AC)				
Rated active power	1000 W	1500 W	2000 W	3000 W
Rated apparent power	1000 VA	1500 VA	2000 VA	3000 VA
Max. apparent power	1000 VA	1500 VA	2000 VA	3000 VA
AC nominal voltage		220 V / 230 V / 240 V		
AC voltage range		180 V to 290 V		
AC grid frequency / range		50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz		
Max. output current	5 A	7.5 A	10 A	13.6 A
Adjustable power factor range		0.8 leading to 0.8 lagging		
Feed-in phases		1		
Harmonic distortion (THD) at rated output		< 3 %		
Efficiency & Protection				
Max. efficiency / European efficiency	97.4% / 95.4 %	97.6 % / 96.3 %	97.6 % / 96.8 %	97.6 % / 97.1 %
DC switch		●		
Ground fault monitoring / grid monitoring		● / ●		
DC reverse polarity protection / AC short circuit protection		● / ●		
All-pole-sensitive residual-current monitoring unit		●		
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)		I / AC : III ; DC : II		
General data				
Dimensions (W / H / D)		320 / 264 / 94 mm		
Weight		6.5 kg		
Operating temperature range		-25°C ... +60°C		
Self-consumption (at night)		< 1 W		
Topology		Non-isolated		
Cooling concept		Natural convection		
Degree of protection (according to IEC 60529)		IP65		
Climatic category (according to IEC 60721-3-4)		4K4H		
Max. permissible value for relative humidity (non-condensing)		100%		
Max. operating altitude		3000 m		
Features				
DC connection		Plug-in connector		
AC connection		Plug-in connector		
Mounting type		Wall-mount bracket		
LED indicators (Status / Fault / Communication)		●		
Communication interface ^{1&2}		Wi-Fi / RS485 (Optional)		
Country of manufacture		China		
Certificates and approvals (more available on request)		CE, IEC62109, IEC61000, EN50549, AS/NZS 4777, C10/C11, IEC61727, IEC62116, IEC61683		

● Standard features / ○ optional features / – not available

1- 2-pin RS485 connection to approved smart meters for export power control applications

2- DRED function supported via RS485 for Australia & New Zealand

ASW S Series



Models:

ASW3000-S
ASW3680-S
ASW4000-S
ASW5000-S



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Dual MPPT's for flexible PV array design



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP65 rated design for outdoor use

Technical Datasheet

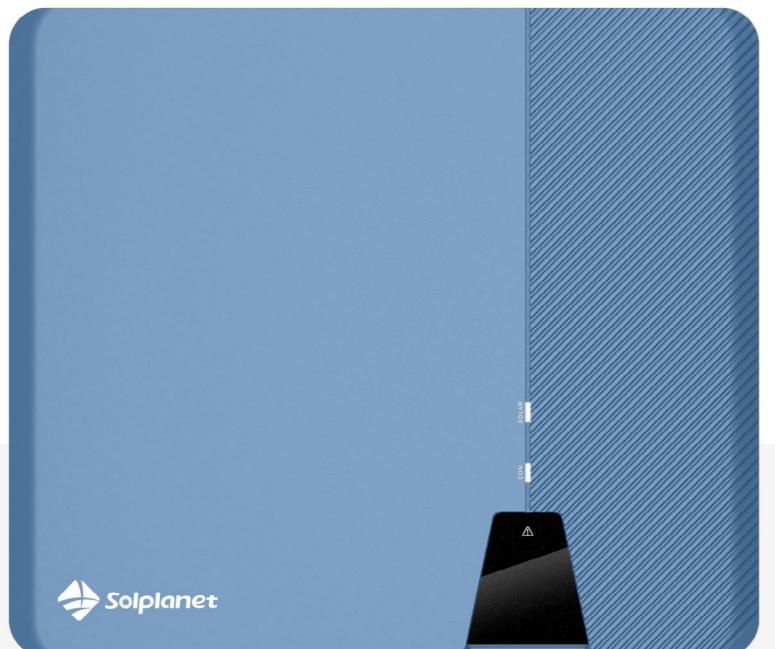
	ASW3000-S	ASW3680-S	ASW4000-S	ASW5000-S
Input (DC)	Max. PV array power	4500 Wp STC	5520 Wp STC	6000 Wp STC
	Max. input voltage		580 V	
	MPP voltage range / rated input voltage		80 V to 550 V / 360 V	
	Min. input voltage		80 V	
	Initial. feed in voltage		100 V	
	Max. operating input current		12 A / 12A	
	Max. short circuit current		18 A / 18A	
	No. of independent MPPT inputs / strings per MPPT input		2 / 1	
Output (AC)	Rated active power	3000 W	3680 W	4000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA
	Max. apparent power	3000 VA	3680 VA	4000 VA
	AC nominal voltage		220 V / 230 V / 240 V	
	AC voltage range		180 V to 290 V	
	AC grid frequency / range		50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz	
	Max. output current	15 A	16 A	20 A
	Adjustable power factor range		0.8 leading to 0.8 lagging	
	Feed-in phases		1	
	Harmonic distortion (THD) at rated output		< 3 %	
Efficiency & Protection	Max. efficiency / European efficiency	97.85% / 97.3%	97.85% / 97.5%	97.85% / 97.5%
	DC switch		●	
	Ground fault monitoring / grid monitoring		● / ●	
	DC reverse polarity protection / AC short circuit protection		● / ●	
	All-pole-sensitive residual-current monitoring unit		●	
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)		I/AC: III; DC :II	
General data	Dimensions (W / H / D)		376 / 355 / 145 mm	
	Weight		12 kg	
	Operating temperature range		-25°C ... +60°C	
	Self-consumption (at night)		<1 W	
	Topology		Non-isolated	
	Cooling concept		Natural convection	
	Degree of protection (according to IEC 60529)		IP65	
	Climatic category (according to IEC 60721-3-4)		4K4H	
	Max. permissible value for relative humidity (non-condensing)		100%	
	Max. operating altitude		3000 m	
Features	DC connection		Plug-in connector	
	AC connection		Plug-in connector	
	Mounting type		Wall-mount bracket	
	LED indicators (Status / Fault / Communication)		●	
	Communication interface ¹		Wi-Fi / 4G / RS485 (Optional)	
	Country of manufacture		China	
	Certificates and approvals (more available on request)		CE, IEC62109, IEC61000, AS/NZS 4777, EN50549, VFR 2014 & UTE C15-712-1, CEI 0-21, C10/C11, NBR16149, IEC61727, IEC62116, IEC61683	

● Standard features / ○ optional features / – not available

*Max. output current limited to 21.7 A when set to the AS/NZS 4777.2 grid code

1- DRED function supported via RS485 for Australia & New Zealand

ASW S-G2 Series



Models:

ASW3000-S-G2
ASW3680-S-G2
ASW4000-S-G2
ASW5000-S-G2
ASW6000-S-G2



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP66 rated design for outdoor use



User-friendly

- 16 A input current, compatible with bifacial and large area PV modules
- Optional AC Power Supply
- Shadow management solution
- Support anti-backflow function
- 2 MPPT's for flexible PV array design

Technical Datasheet

	ASW3000-S-G2	ASW3680-S-G2	ASW4000-S-G2	ASW5000-S-G2	ASW6000-S-G2
Input (DC)	Max. PV array power	4500 Wp STC	5520 Wp STC	6000 Wp STC	7500 Wp STC
	Max. input voltage		600V		
	MPP voltage range / rated input voltage		60V-560V/360V		
	Min. input voltage		60V		
	Initial. feed in voltage		100V		
	Max. operating input current		16A		
	Max. short circuit current		24A		
	No. of independent MPPT inputs / strings per MPPT input		2/1		
Output (AC)	Rated active power	3000 W	3680 W	4000 W	5000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA
	Max. apparent power	3300 VA ³	3680 VA ³	4400 VA ³	5500 VA ³
	AC nominal voltage		220 V / 230 V / 240 V		
	AC voltage range		180 V to 295 V		
	AC grid frequency / range		50 Hz / 45 Hz to 55 Hz		
	60 Hz / 55 Hz to 65 Hz				
	Max. output current	15A	16A	20A	25A
	Adjustable power factor range		1 / 0.8 leading ... 0.8 lagging		
	Feed-in phases		1		
	Harmonic distortion (THD) at rated output		<= 3%		
Efficiency & Protection	Max. efficiency / European efficiency		97.8% / 97.5%		
	DC switch		●		
	Ground fault monitoring / grid monitoring		● / ●		
	DC reverse polarity protection / AC short circuit Protection		● / ●		
	All-pole-sensitive residual-current monitoring unit		●		
	Surge protection		● / Type II		
	Anti-Islanding protection		●		
	Night monitoring		○		
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)		I / AC: III; DC: II		
General data	Dimensions (W / H / D)		368*325*145 mm		
	Weight		9.5 kg		
	Operating temperature range		-25°C ... +60°C		
	Self-consumption (at night)		< 1 W		
	Topology		Non-isolated		
	Cooling concept		Natural Convection		
	Degree of protection (according to IEC 60529)		IP66		
	Climatic category (according to IEC 60721-3-4)		4K4H		
	Max. permissible value for relative humidity (non-condensing)		100%		
	Max. operating altitude		4000 m		
Features	DC connection		Plug-in connector		
	AC connection		Plug-in Connector		
	Mounting type		Wall-mount bracket		
	LED Indicators (Status / Fault / Communication)		●		
	Communication interface ^{1&2}		Wi-Fi / 4G / RS485 (Optional)		
	Country of manufacture		China		
	"Certificates and approvals (more available on request)"		AS/NZS 4777.2, IEC 62109-1/2, IEC 61727, IEC 62116, NB/T32004"		

● Standard features / ○ optional features / – not available

Data at nominal conditions. All information is subject to change.

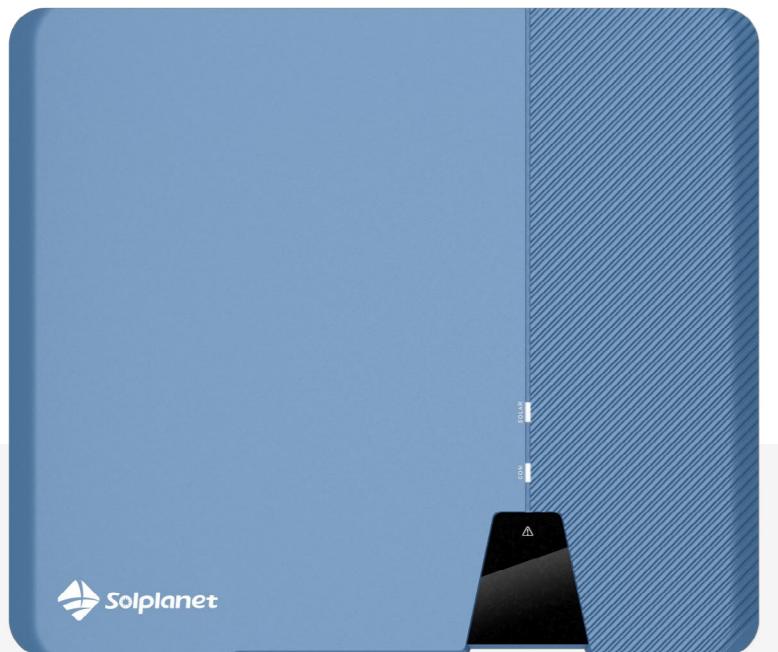
1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters.

2- DRED supported with RS485 communication for Australia & New Zealand

3- For European and AS/NZS4777.2 grid codes the max. apparent AC power is equal to the rated power

4- Max. output current limited to 21.7 A when set to the AS/NZS 4777.2 grid code

ASW S Series



Models:
ASW6000-S
ASW8000-S
ASW10000-S



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP66 rated design for outdoor use



User-friendly

- 16 A input current, compatible with bifacial and large area PV modules
- Online monitoring via Wi-Fi and Solplanet apps
- 3 MPPT's for flexible PV array design

Technical Datasheet

	ASW6000-S	ASW8000-S	ASW10000-S
Input (DC)			
Max. PV array power	9000 Wp STC	12000 Wp STC	15000 Wp STC
Max. input voltage	600V	600V	600V
MPP voltage range / rated input voltage	80 V - 560 V / 360 V	80 V - 560 V / 360 V	80 V - 560 V / 360 V
Min. input voltage	80 V	80 V	80 V
Initial. feed in voltage	100 V	100 V	100 V
Max. operating input current	16 A	16 A	16 A
Max. short circuit current	22.5 A	22.5 A	22.5 A
No. of independent MPPT inputs / strings per MPPT input	3 / 1	3 / 1	3 / 1
Output (AC)			
Rated active power	6000 W	8000 W	10000 W
Rated apparent power	6000 VA	8000 VA	10000 VA
Max. apparent power	6600 VA	8800 VA	11000 VA
AC nominal voltage	220 V / 230 V / 240 V	220 V / 230 V / 240 V	220 V / 230 V / 240 V
AC voltage range	180 V to 295 V	180 V to 295 V	180 V to 295 V
AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz
Max. output current	30 A	40 A	50 A
Adjustable power factor range	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging
Feed-in phases	1	1	1
Harmonic distortion (THD) at rated output	< 3%	< 3%	< 3%
Efficiency & Protection			
Max. efficiency / European efficiency	97.7 % / 97.3 %	97.7 % / 97.3 %	97.7 % / 97.3 %
DC switch	●	●	●
Ground fault monitoring / grid monitoring	● / ●	● / ●	● / ●
DC reverse polarity protection / AC short circuit protection	● / ●	● / ●	● / ●
All-pole-sensitive residual-current monitoring unit	●	●	●
Surge protection	● / Type II	● / Type II	● / Type II
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II	I / AC: III; DC: II	I / AC: III; DC: II
General data			
Dimensions (W / H / D)	503 / 435 / 183 mm	503 / 435 / 183 mm	503 / 435 / 183 mm
Weight	< 18 kg	< 18 kg	< 18 kg
Operating temperature range	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C
Self-consumption (at night)	< 1 W	< 1 W	< 1 W
Topology	Non-isolated	Non-isolated	Non-isolated
Cooling concept	Natural convection	Natural convection	Natural convection
Degree of protection (according to IEC 60529)	IP66	IP66	IP66
Climatic category (according to IEC 60721-3-4)	4K4H	4K4H	4K4H
Max. permissible value for relative humidity (non-condensing)	100%	100%	100%
Max. operating altitude	3000 m	3000 m	3000 m
Features			
DC connection	Plug-in connector	Plug-in connector	Plug-in connector
AC connection	Plug-in connector	Plug-in connector	Plug-in connector
Mounting type	Wall-mount bracket	Wall-mount bracket	Wall-mount bracket
LED indicators (Status / Fault / Communication)	●	●	●
Communication interface ^{1&2}	Wi-Fi / 4G / RS485 (Optional)	Wi-Fi / 4G / RS485 (Optional)	Wi-Fi / 4G / RS485 (Optional)
Country of manufacture	China	China	China
Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11

● Standard features / ○ optional features / - not available
Data at nominal conditions. All information is subject to change.

1- 2-pin RS485 to approved smart meters for export power control applications

2- DRED supported with RS485 communication for Australia & New Zealand

3- The overload setting is disabled as default for AS/NZS4777 grid codes

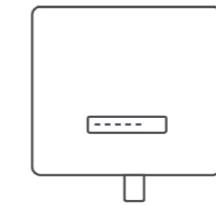
4- For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power

Three phase inverters

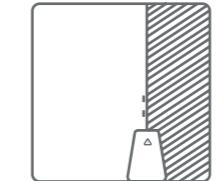
Photo by Paweł Czerwiński



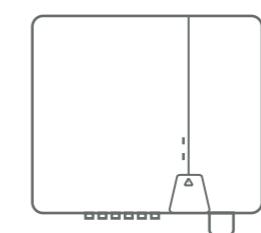
High yield, reliable residential and commercial inverters



ASW T SERIES
ASW3K / 5K / 6K / 8K / 10K-T

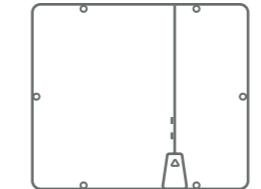


ASW LT-G2 Pro SERIES
ASW3K / 4K / 5K / 6K / 8K / 10K-LT-G2 Pro
ASW12K / 15K / 17K / 20K-LT-G2 Pro



ASW LT-G2 SERIES
ASW8K / 10K / 12K / 15K / 17K / 20K-LT-G2

ASW LT-G3 SERIES
ASW25K / 27K / 30K / 33K / 36K / 40K-LT-G3



ASW LT-G2 SERIES
ASW30K / 33K / 36K / 40K / 45K / 50K-LT-G2

ASW LT-G2 Pro SERIES
ASW40K / 45K / 50K-LT-G2 Pro

ASW T Series



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP65 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Dual MPPT's for flexible PV array design

Technical Datasheet

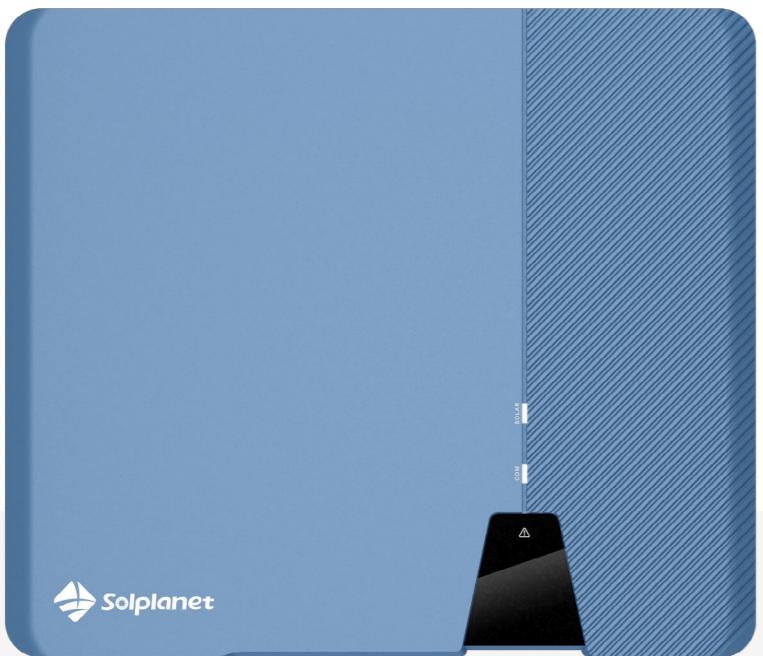
	ASW 3000-T	ASW 4000-T	ASW 5000-T	ASW 6000-T	ASW 8000-T	ASW 10000-T
Input (DC)						
Max. PV array power	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 Wp STC	12000 Wp STC	15000 Wp STC
Max. input voltage				1000 V		
MPP voltage range / rated input voltage				125 V to 950 V / 630 V		
Min. input voltage				130 V		
Initial. feed in voltage				150 V		
Max. operating input current				12 A / 12 A		
Max. short circuit current				18 A / 18 A		
No. of independent MPPT inputs / strings per MPPT input				2 / A :1; B :1		
Rated active power	3000 W	4000 W	5000 W	6000 W	8000 W	10000 W
Rated apparent power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA
Max. apparent power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA
AC nominal voltage				220 V / 380 V 230 V / 400 V 240 V / 415 V		
AC voltage range				180 V to 295 V		
AC grid frequency / range				50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz		
Output (AC)						
Max. output current	5 A	6.7 A	8.4 A	9.1 A	13.3 A	15.2 A
Adjustable power factor range				0.8 leading to 0.8 lagging		
Feed-in phases / connection type				3 / 3-N -PE		
Harmonic distortion (THD) at rated output				< 3%		
Efficiency & Protection						
Max. efficiency / European efficiency	98.2% / 96.6%	98.2% / 97.2%	98.2% / 97.5%	98.2% / 97.6%	98.3% / 98.0%	98.3% / 98.0%
DC switch				●		
Ground fault monitoring / grid monitoring				● / ●		
DC reverse polarity protection / AC short circuit protection				● / ●		
All-pole-sensitive residual-current monitoring unit				●		
Surge protection				● / Type II		
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)				I / AC : III ; DC : II		
General data						
Dimensions (W / H / D)				424 / 375 / 172 mm		
Weight	14 kg	14 kg	14 kg	14 kg	15 kg	15 kg
Operating temperature range				-25°C ... +60°C		
Noise emission (typical)	< 35 dB(A)	< 35 dB(A)	< 35 dB(A)	< 35 dB(A)	< 45 dB(A)	< 45 dB(A)
Self-consumption (at night)				< 1 W		
Topology				Non-isolated		
Cooling concept			Natural convection		Active cooling	
Degree of protection (according to IEC 60529)				IP65		
Climatic category (according to IEC 60721-3-4)				4K4H		
Max. permissible value for relative humidity (non-condensing)				100 %		
Max. operating altitude				3000 m		
Features						
DC connection				Plug-in connector		
AC connection				Plug-in connector		
Mounting type				Wall-mount bracket		
LED indicators (Status / Fault / Communication)				●		
Communication interface ^{1&2}				Wi-Fi / RS485 (Optional)		
Country of manufacture				China		
Certificates and approvals (more available on request)				CE, EN50549, G98/99, AS/NZS 4777, C10/C11, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000		

● Standard features / ○ optional features / – not available

1- 2-pin RS485 connection to approved smart meters for export power control applications

2- DRED function supported via RS485 for Australia & New Zealand

ASW LT-G2 Pro Series



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- Max 20 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Technical Datasheet

	ASW 3K-LT-G2 Pro	ASW 4K-LT-G2 Pro	ASW 5K-LT-G2 Pro	ASW 6K-LT-G2 Pro	ASW 8K-LT-G2 Pro	ASW 10K-LT-G2 Pro
Input (DC)	Max. PV array power	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 Wp STC	12000 Wp STC
	Max. input voltage				1100 V	
	MPP voltage range / rated input voltage			150 V to 1000 V / 630 V		
	Min. input voltage			125 V		
	Initial. feed-in voltage			180 V		
	Max. operating input current	16 A / 16 A			20A / 16 A	
	Max. short circuit current	25 A / 25 A			30 A / 25 A	
	No. of independent MPPT inputs / strings per MPPT input				2 / A : 1 ; B : 1	
Output (AC)	Rated active power	3000 W	4000 W	5000 W	6000 W	8000 W
	Rated apparent power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA
	Max. apparent power	3300 VA ^{3&4}	4400 VA ^{3&4}	5500 VA ^{3&4}	6600 VA ^{3&4}	8800 VA ^{3&4}
	AC nominal voltage	220 V / 380 V 230 V / 400 V 240 V / 415 V				
	AC voltage range	160 V to 300 V				
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz				
	Max. output current	4.8A	6.4 A	8.0 A	9.6 A	12.8 A
	Adjustable power factor range				0.8 leading to 0.8 lagging	
	Feed-in phases				3 / 3-N-PE	
	Harmonic distortion (THD) at rated output				< 3%	
Efficiency & Protection	Max. efficiency / European efficiency	98.3 % / 97.9 %			98.6% / 98.2 %	
	DC Switch	●				
	Ground fault monitoring / grid monitoring	● / ●				
	DC reverse polarity protection / AC short circuit protection	● / ●				
	All-pole-sensitive residual-current monitoring unit	●				
	Surge protection	● / Type II				
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC : III ; DC : II				
General data	Dimensions (W / H / D)	503 / 435 / 183 mm				
	Weight	< 15 kg			17.3 kg	
	Operating temperature range	-25°C ... +60°C				
	Self-consumption (at night)	< 1 W				
	Topology	Non-isolated				
	Cooling concept	Natural Convection				
	Degree of protection (according to IEC 60529)	IP66				
	Climatic category (according to IEC 60721-3-4)	4K4H				
	Max. permissible value for relative humidity (non-condensing)	100 %				
	Max. operating altitude	3000 m				
Features	DC connection	Plug-in connector				
	AC connection	Plug-in connector				
	Mounting type	Wall-mount bracket				
	LED indicators (Status / Fault / Communication)	●				
	Communication interface ^{1&2}	Wi-Fi / 4G / RS485 (Optional)				
	Country of Manufacture	China				
	Certificates and approvals (more available on request)	CE, EN50549, G98/99, VDE-AR-N4105, AS/NZS 4777, C10/C11, VFR 2014 & UTE C15, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, NB/T 32004				

● Standard features / ○ optional features / – not available

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters

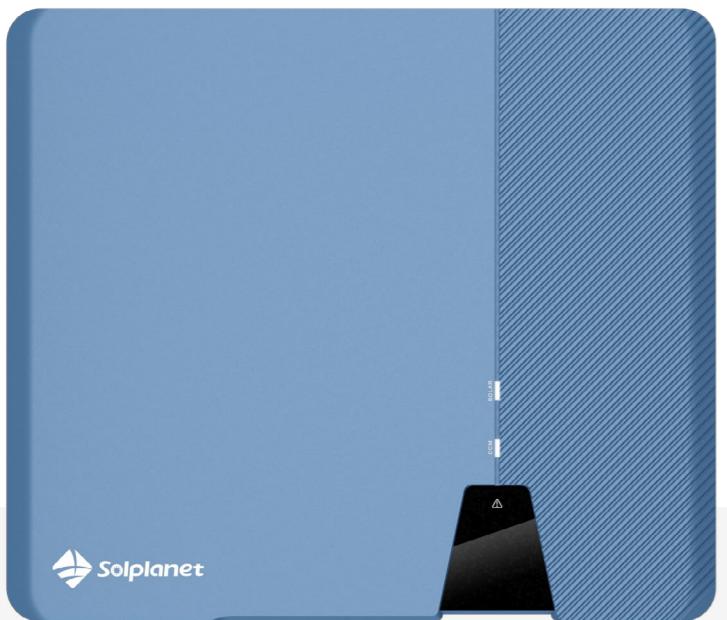
2- DRED supported with RS485 communication for Australia & New Zealand

3- The overload setting is disabled as default for AS/NZS4777 grid codes

4- For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power

Data at nominal conditions. All information is subject to change.

ASW LT-G2 Pro Series



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- 20 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Technical Datasheet

	ASW 12K-LT-G2 Pro	ASW 15K-LT-G2 Pro	ASW 17K-LT-G2 Pro	ASW 20K-LT-G2 Pro	
Input (DC)	Max. PV array power Max. input voltage MPP voltage range / rated input voltage Min. input voltage Initial. feed-in voltage Max. operating input current Max. short circuit current No. of independent MPPT inputs / strings per MPPT input	18000 Wp STC 1100 V 150 V to 1000 V / 630 V 125 V 180 V 32 A / 20 A 48 A / 30 A 2 / A:2:B:1	22500 Wp STC 1100 V 150 V to 1000 V / 630 V 125 V 180 V 32 A / 20 A 48 A / 30 A 2 / A:2:B:1	25500 Wp STC 1100 V 150 V to 1000 V / 630 V 125 V 180 V 32 A / 32 A 48 A / 48 A 2 / A:2:B:2	30000 Wp STC 1100 V 150 V to 1000 V / 630 V 125 V 180 V 32 A / 32 A 48 A / 48 A 2 / A:2:B:2
Output (AC)	Rated active power Rated apparent power Max. apparent power AC nominal voltage AC voltage range AC grid frequency / range Max. output current Adjustable power factor range Feed-in phases Harmonic distortion (THD) at rated output	12000 W 12000 VA 13200VA ^{3&4} 220 V / 380 V 230 V / 400 V 240 V / 415 V 160 V to 300 V 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz 19.1 A 0.8 leading to 0.8 lagging 3 / 3-N-PE < 3 %	15000 W 15000 VA 16500VA ^{3&4} 22000VA ^{3&4} 17000 W 17000 VA 18700VA ^{3&4} 20000 W	17000 W 17000 VA 18700VA ^{3&4} 20000 VA	
Efficiency & Protection	Max. efficiency / European efficiency DC Switch Ground fault monitoring / grid monitoring DC reverse polarity protection / AC short circuit protection All-pole-sensitive residual-current monitoring unit Surge protection Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	98.6% / 98.2 % ● ● / ● ● / ● ● ● / Type II I/AC: III; DC :II	98.6% / 98.2 % ● ● / ● ● / ● ● ● / Type II I/AC: III; DC :II	98.6% / 98.2 % ● ● / ● ● / ● ● ● / Type II I/AC: III; DC :II	
General data	Dimensions (W / H / D) Weight Operating temperature range Self-consumption (at night) Topology Cooling concept Degree of protection (according to IEC 60529) Climatic category (according to IEC 60721-3-4) Max. permissible value for relative humidity (non-condensing) Max. operating altitude	503 / 435 / 183 mm 17.3 kg -25°C ... +60°C < 1 W Non-isolated Active cooling IP66 4K4H 100% 3000 m	503 / 435 / 183 mm 17.3 kg -25°C ... +60°C < 1 W Non-isolated Active cooling IP66 4K4H 100% 3000 m	503 / 435 / 183 mm 17.3 kg -25°C ... +60°C < 1 W Non-isolated Active cooling IP66 4K4H 100% 3000 m	
Features	DC connection AC connection Mounting type LED indicators (Status / Fault / Communication) Communication interface ^{1&2} Country of manufacture Certificates and approvals (more available on request)	Plug-in connector Plug-in connector Wall-mount bracket ● Wi-Fi / 4G / RS485 (Optional) China CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11	Plug-in connector Plug-in connector Wall-mount bracket ● Wi-Fi / 4G / RS485 (Optional) China CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11	Plug-in connector Plug-in connector Wall-mount bracket ● Wi-Fi / 4G / RS485 (Optional) China CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11	

● Standard features / ○ optional features / – not available

1-Zero export installations supported with 2-pin RS485 for connection to approved smart meters

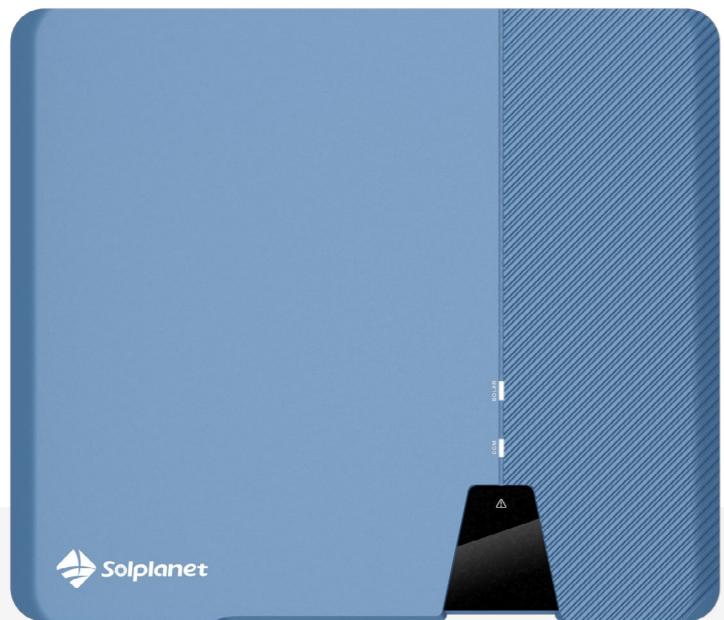
2-DRED supported with RS485 communication for Australia & New Zealand

3-The overload setting is disabled as default for AS/NZS4777 grid codes

4-For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power

Data at nominal conditions. All information is subject to change.

ASW LT-G2 Series



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet appss
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- 13 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Technical Datasheet

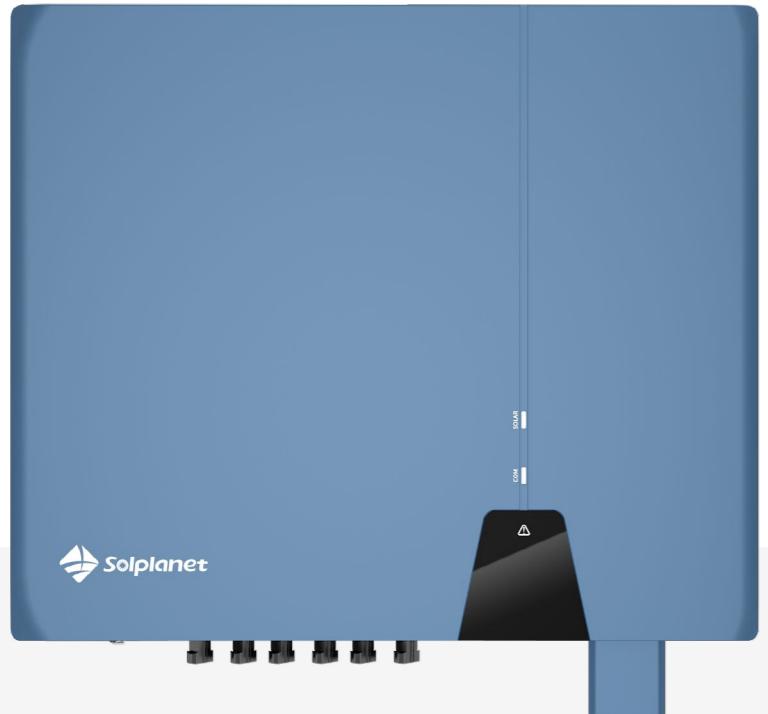
	ASW 8K-LT-G2	ASW 10K-LT-G2	ASW 12K-LT-G2	ASW 15K-LT-G2	ASW 17K-LT-G2	ASW 20K-LT-G2
Input (DC)	Max. PV array power	12000 Wp STC	15000 Wp STC	18000 Wp STC	22500 Wp STC	25500 Wp STC
	Max. input voltage			1100 V		
	MPP voltage range / rated input voltage			150 V to 1000 V / 630 V		
	Min. input voltage			125 V		
	Initial. feed-in voltage			150 V		
	Max. operating input current	26 A / 13 A	26 A / 13 A	26 A / 26 A	26A/26A	26A/26A
	Max. short circuit current	40 A / 20 A	40 A / 20 A	40 A / 40 A	40A /40 A	40A/40A
	No. of independent MPPT inputs / strings per MPPT input	2 / A:1;B:1	2 / A:1;B:1	2 / A:2;B:1	2/A:2;B:1	2 / A:2;B:2
	Rated active power	8000 W	10000 W	12000 W	15000 W	17000 W
	Rated apparent power	8000VA	10000VA	12000VA	15000VA	17000VA
	Max. apparent power	8000VA	10000VA	12000VA	15000VA	17000VA
	AC nominal voltage			220 V / 380 V		
				230 V / 400 V		
				240 V / 415 V		
	AC voltage range			160 V to 300 V		
	AC grid frequency / range			50 Hz / 45 Hz to 55 Hz		
				60 Hz / 55 Hz to 65 Hz		
	Max. output current	12.8 A	16 A	19.1 A	24 A	27.1 A
	Adjustable power factor range			0.8 leading to 0.8 lagging		
	Feed-in phases			3 / 3-N-PE		
	Harmonic distortion (THD) at rated output			<3 %		
Output (AC)	Max. efficiency / European efficiency			98.6 % / 98.2 %		
	DC Switch			●		
	Ground fault monitoring / grid monitoring			● / ●		
	DC reverse polarity protection / AC short circuit protection			● / ●		
	All-pole-sensitive residual-current monitoring unit			●		
	Surge protection			● / Type II		
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)			I / AC: III; DC: II		
Efficiency & Protection	Dimensions (W / H / D)			503 / 435 / 183 mm		
	Weight	17.3 kg	17.3 kg	17.3 kg	17.3 kg	18.6 kg
	Operating temperature range			-25°C ... +60°C		
	Self-consumption (at night)			<1 W		
	Topology			Non-isolated		
	Cooling concept	Natural convection		Active cooling		
	Degree of protection (according to IEC 60529)			IP66		
	Climatic category (according to IEC 60721-3-4)			4K4H		
	Max. permissible value for relative humidity (non-condensing)			100%		
	Max. operating altitude			3000 m		
General data	DC connection			Plug-in connector		
	AC connection			Plug-in connector		
	Mounting type			Wall-mount bracket		
	LED indicators (Status / Fault / Communication)			●		
	Communication interface			Wi-Fi / 4G / RS485 (Optional)		
	Country of manufacture			China		
Features	Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11				

● Standard features / ○ optional features / – not available

Data at nominal conditions. All information is subject to change.

Three phase inverters 25 to 40 kW

ASW LT-G3 Series



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- 20A input current, ideal for bifacial and large area PV modules
- 3 MPPT's for flexible PV array design
- Wide MPP voltage range 180V-1000V

Technical Datasheet

	ASW 25K-LT-G3	ASW 27K-LT-G3	ASW 30K-LT-G3	ASW 33K-LT-G3	ASW 36K-LT-G3	ASW 40K-LT-G3
Input (DC)						
Max. PV array power	37500 Wp STC	40500 Wp STC	45000 Wp STC	49500 Wp STC	54000 Wp STC	60000 Wp STC
Max. input voltage				1100 V		
MPP voltage range / rated input voltage				180 V - 1000 V / 630 V		
Min. input voltage				160 V		
Initial. feed-in voltage				200 V		
Max. operating input current	32A / 32 A /32A				32A / 32 A /40A	
Max. short circuit current	48 A / 48A /48A				48 A / 48A /60A	
No. of independent MPPT inputs / strings per MPPT input		3 / A:2;B:2;C:2				3 / A:2;B:2;C:2
Rated active power	25000W	27000W	30000W	33000W	36000W	40000W
Rated apparent power	25000 VA	27000 VA	30000 VA	33000 VA	36000 VA	40000 VA
Max. apparent power	27500VA ^{3&4}	29700VA ^{3&4}	33000VA ^{3&4}	36300VA ^{3&4}	39600VA ^{3&4}	44000VA ^{3&4}
AC nominal voltage				220 V / 380 V 230 V / 400 V 240 V / 415 V		
AC voltage range				180 V to 305 V / 312 V to 528V		
AC grid frequency / range				50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz		
Max. output current	39.9A	43.0A	47.8A	52.6A	57.4A	63.8A
Adjustable power factor range				0.8 leading to 0.8 lagging		
Feed-in phases				3 / 3-N-PE		
Harmonic distortion (THD) at rated output				< 3%		
Output (AC)						
Max. efficiency / European efficiency				98.4% / 98.2%		
DC Switch				●		
Ground fault monitoring / grid monitoring				● / ●		
DC reverse polarity protection / AC short circuit protection				● / ●		
All-pole-sensitive residual-current monitoring unit				●		
Anti-islanding Protection				●		
Surge protection				● / Type II		
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)				I / AC: III; DC: II		
Efficiency & Protection						
Dimensions (W / H / D)				543 / 520 / 235 mm		
Weight	29 kg	29 kg	29 kg	30 kg	30 kg	30 kg
Operating temperature range				-25°C ... +60°C		
Self-consumption (at night)				< 1 W		
Topology				Non-isolated		
Cooling concept				Active cooling		
Degree of protection (according to IEC 60529)				IP66		
Climatic category (according to IEC 60721-3-4)				4K4H		
Max. permissible value for relative humidity (non-condensing)				100 %		
Max. operating altitude				3000 m		
General data						
DC connection				Plug-in connector		
AC connection				Plug-in connector		
Mounting type				Wall-mount bracket		
LED Indicators (Status / Fault / Communication)				●		
Communication interface ^{1&2}				Wi-Fi / 4G / RS485 (Optional)		
Country of manufacture				China		
Certificates and approvals (more available on request)				CE, EN50549 ,IEC62109, IEC62116, IEC61727, IEC61000, NB/T 32004		
Features						

● Standard features / ○ optional features / – not available

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters

2- DRED supported with RS485 communication for Australia & New Zealand

3- The overload setting is disabled as default for AS/NZS4777 grid codes

4- For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power-

Data at nominal conditions. All information is subject to change.

ASW LT-G2 Series



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- 13 A input current, ideal for bifacial and large area PV modules
- 5 MPPT's for flexible PV array design
- Wide MPP voltage range 200V-1000V

Technical Datasheet

	ASW 30K-LT-G2	ASW 33K-LT-G2	ASW 36K-LT-G2	ASW 40K-LT-G2	ASW 45K-LT-G2	ASW 50K-LT-G2
Input (DC)	Max. PV array power	45000 Wp STC	49500 Wp STC	54000 Wp STC	60000 Wp STC	67500 Wp STC
	Max. input voltage				1100 V	
	MPP voltage range / rated input voltage			200 V to 1000 V / 630 V		
	Min. input voltage			200 V		
	Initial. feed-in voltage			250 V		
	Max. operating input current			26 A		
	Max. short circuit current			40 A		
	No. of independent MPPT inputs / strings per MPPT input	3 / 2	3 / 2	3 / 2	4 / 2	4 / 2
	Rated active power	30000 W	33000 W	36000 W	40000 W	45000 W
	Rated apparent power	30000 VA	33000 VA	36000 VA	40000 VA	45000 VA
	Max. apparent power	30000 VA	33000 VA	36000 VA	40000 VA	45000 VA
	AC nominal voltage			220 V / 380 V 230 V / 400 V		
	AC voltage range			180-305 V / 312-528 V		
	AC grid frequency / range			50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz		
	Max. output current	50.0 A	55.0 A	60.0 A	66.7 A	75.0 A
	Adjustable power factor range			0.8 leading to 0.8 lagging		
Output (AC)	Feed-in phases			3 / 3-N-PE		
	Harmonic distortion (THD) at rated output			<= 3%		
Efficiency & Protection	Max. efficiency / European efficiency			98.6% / 98.3%		
	DC switch			●		
	Ground fault monitoring / grid monitoring			● / ●		
	DC reverse polarity protection / AC short circuit protection			● / ●		
	All-pole-sensitive residual-current monitoring unit			●		
	Surge protection			● / Type II		
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)			I / AC: III; DC: II		
General data	Dimensions (W / H / D)			670 / 580 / 270 mm		
	Weight	42 kg	42 kg	42 kg	42.5 kg	42.5 kg
	Operating temperature range			-25°C ... +60°C		
	Self-consumption (at night)			< 1 W		
	Topology			Non-isolated		
	Cooling concept			Active cooling		
	Degree of protection (according to IEC 60529)			IP66		
	Climatic category (according to IEC 60721-3-4)			4K4H		
	Max. permissible value for relative humidity (non-condensing)			100 %		
	Max. operating altitude			3000 m		
Features	DC connection			Plug-in connector		
	AC connection			OT connector		
	Mounting type			Wall-mount bracket		
	LED indicators (Status / Fault / Communication)			●		
	Communication interface			Wi-Fi / 4G / RS485 (Optional)		
	Country of manufacture			China		
	Certificates and approvals (more available on request)			CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC61000, NB/T 32004		

● Standard features / ○ optional features / – not available

Data at nominal conditions. All information is subject to change.

ASW LT-G2 Pro Series



Models:

ASW40K-LT-G2 Pro
ASW45K-LT-G2 Pro
ASW50K-LT-G2 Pro



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet appss
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- 16 A input current, ideal for bifacial and large area PV modules
- 5 MPPT's for flexible PV array design
- Wide MPP voltage range 200V-1000V

Technical Datasheet

	ASW40K-LT-G2 Pro	ASW45K-LT-G2 Pro	ASW50K-LT-G2 Pro
Input (DC)			
Max. PV array power	60000 Wp STC	67500 Wp STC	75000 Wp STC
Max. input voltage	1100 V	1100 V	1100 V
MPP voltage range / rated input voltage	200 V - 1000 V / 620 V	200 V - 1000 V / 620 V	200 V - 1000 V / 620 V
Min. input voltage	200 V	200 V	200 V
Initial. feed-in voltage	250 V	250 V	250 V
Max. operating input current	32A	32A	32A
Max. short circuit current	48A	48A	48A
No. of independent MPPT inputs / strings per MPPT input	4 / 2	4 / 2	5 / 2
Output (AC)			
Rated active power	40000 W	45000 W	50000 W
Rated apparent power	40000 VA	45000 VA	50000 VA
Max. apparent power	40000 VA	45000 VA	50000 VA
AC nominal voltage	220 V / 380 V 230 V / 400 V	220 V / 380 V 230 V / 400 V	220 V / 380 V 230 V / 400 V
AC voltage range	180 V to 305 V / 312 V to 528 V	180 V to 305 V / 312 V to 528 V	180 V to 305 V / 312 V to 528 V
AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz
Max. output current	66.7 A	75.0 A	80.0 A
Adjustable power factor range	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging
Feed-in phases	3 / 3-N-PE	3 / 3-N-PE	3 / 3-N-PE
Harmonic distortion (THD) at rated output	<= 3%	<= 3%	<= 3%
Efficiency & Protection			
Max. efficiency / European efficiency	98.6% / 98.3%	98.6% / 98.3%	98.6% / 98.3%
DC switch	●	●	●
Ground fault monitoring / grid monitoring	● / ●	● / ●	● / ●
DC reverse polarity protection / AC short circuit protection	● / ●	● / ●	● / ●
All-pole-sensitive residual-current monitoring unit	●	●	●
Surge protection	● / Type II	● / Type II	● / Type II
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II	I / AC: III; DC: II	I / AC: III; DC: II
General data			
Dimensions (W / H / D)	670 / 640 / 270 mm	670 / 640 / 270 mm	670 / 640 / 270 mm
Weight	42.5 kg	42.5 kg	43 kg
Operating temperature range	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C
Self-consumption (at night)	< 1 W	< 1 W	< 1 W
Topology	Non-isolated	Non-isolated	Non-isolated
Cooling concept	Active cooling	Active cooling	Active cooling
Degree of protection (according to IEC 60529)	IP66	IP66	IP66
Climatic category (according to IEC 60721-3-4)	4K4H	4K4H	4K4H
Max. permissible value for relative humidity (non-condensing)	100%	100%	100%
Max. operating altitude	3000 m	3000 m	3000 m
Features			
DC connection	Plug-in connector	Plug-in connector	Plug-in connector
AC connection	OT connector	OT connector	OT connector
Mounting type	Wall-mount bracket	Wall-mount bracket	Wall-mount bracket
LED indicators (Status / Fault / Communication)	●	●	●
Communication interface	Wi-Fi / 4G / RS485 (Optional)	Wi-Fi / 4G / RS485 (Optional)	Wi-Fi / 4G / RS485 (Optional)
Country of manufacture	China	China	China
Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC61000, NB/T 32004	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC61000, NB/T 32004	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC61000, NB/T 32004

● Standard features / ○ optional features / – not available

Data at nominal conditions. All information is subject to change.

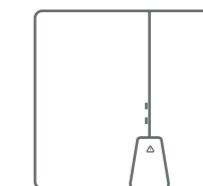
Hybrid inverters



Perfect for home
& small business
applications

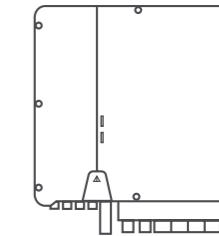
ASW H-S2 SERIES

- ASW3000H-S2
- ASW3680H-S2
- ASW4000H-S2
- ASW5000H-S2
- ASW6000H-S2



ASW H-T1 SERIES

- ASW08H-T1
- ASW10H-T1
- ASW12H-T1



Single phase hybrid inverters



Models:

ASW3000H-S2
ASW3680H-S2
ASW4000H-S2
ASW5000H-S2
ASW6000H-S2



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- Smart energy management
- UPS capability - power during blackouts
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Easy to connect - battery and smart meter interfaces

Technical DataSheet

	ASW3000H-S2	ASW3680H-S2	ASW4000H-S2	ASW5000H-S2	ASW6000H-S2
PV Input	Max. PV array power	5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC
	Max. input voltage			550 V	
	MPP voltage range / rated input voltage		40 V to 530 V / 380 V		
	No. of independent MPPT trackers / strings per MPPT input		2 / 1		
	Max. input current per MPPT tracker		16 A		
	Max. short-circuit current per MPPT tracker		20 A		
Battery input	Nominal battery voltage		48 V/51.2V		
	Battery voltage range		40 V to 60 V		
	Max. charging / discharging power		5000 W / 5000 W		
	Max. charging current / Max. discharging current		100 A / 100A		
	Battery type		LiFePO4		
	Compatible Battery		Aiswei Ai-LB series ^{†3}		
AC output	AC voltage range / Nominal AC voltage		180 V to 280 V / 230 V		
	Rated AC grid frequency		50 Hz / 60 Hz		
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA ^{*1}
	Max. apparent power	3000 VA	3680 VA	4000 VA	5000 VA ^{*1}
	Rated grid output Current (@230V)	13.1 A	16 A	17.4 A	21.7 A ^{*2}
	Max. grid output current	13.6 A	16 A	18.2 A	22.7 A ^{*2}
AC input	Rated grid voltage		a.c. 230V		
	Rated grid frequency		50Hz / 60Hz		
	Rated apparent power		6000 VA		
	Max. input apparent power from grid		6000 VA		
	Max. input current from grid		a.c. 27.3 A		
EPS output	Nominal output voltage		230 V		
	Nominal output frequency		50 Hz / 60 Hz		
	Rated apparent power		5000 VA		
	Max. output apparent power		5000 VA		
	Peak output apparent power		7500 VA, 10s		
	Rated Current (@230V)		21.7A		
	Max. output current		21.7A		
	Max. switch time		≤ 10 ms		
	Output THDi (@ Linear load)		<3%		
Efficiency	MPPT efficiency		99.90%		
	Euro efficiency / Max. efficiency		97% / 97.6%		
	Max. battery to load efficiency		94.70%		
Safety protection	DC-side disconnection device		●		
	PV string- / Battery input reverse polarity protection		● / ●		
	All-pole sensitive residual current monitoring unit		●		
	Anti-islanding protection		●		
	Ground fault protection		●		
	AC output over current / short circuit current protection		● / ●		
	AC over voltage protection		●		
	Protection class (as per IEC 62109-1) / overvoltage category (as per IEC 62109-1)		I / AC: III; DC: II		
General data	Power factor at rated power / adjustable displacement		≥0.99 / 0.8 leading to 0.8 lagging		
	Dimensions (W / H / D)		494 / 420 / 195 mm		
	Device weight		21.5 kg		
	Operating temperature range		-25 °C ... +60 °C		
	Noise emissions (typical)		30 dB(A)		
	Standby consumption		< 10 W		
	Cooling concept		Natural convection		
	Degree of protection (as per IEC 60529)		IP66		
	Climatic category (according to IEC 60721-3-4)		4K4H		
	Max. permissible value for relative humidity (non-condensing)		100%		
	Max. operating altitude		4000m (>3000m power derating)		
Features	User interface		LED & App		
	Communication with BMS		RS485 / CAN		
	Communication with meter		RS485		
	Communication with portal		WIFI stick		
	Integrated power control / Zero export control		● / ●		

● Standard features / ○ optional features / – not available

*1 For VDE-AR-N4105, Smax=Sn=4600VA, Pn=4600W

*2 For AS/NZS4777.2, lac max=21.7

^{†3} Including but not limited to the listed models, please check the website@solplanet for more compatible models

Three phase hybrid inverters



ASW H-T1 SERIES
ASW08H-T1
ASW10H-T1
ASW12H-T1



Easy-to-install

- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- Smart energy management
- UPS capability - power during blackouts
- IP65 rated design for outdoor use



User-friendly

- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Support unbalanced output

Technical DataSheet

	ASW08kH-T1	ASW10kH-T1	ASW12kH-T1
PV Input	Max. PV array power	12 kWp STC	15 kWp STC
	Max. input voltage	1000 V	
	MPP voltage range	180 V ~ 850 V	
	No. of independent MPPT trackers / strings per MPPT input	2 / (1/1)	
	Max. input current per MPP tracker	13 A	
	Max. short-circuit current per MPP tracker	25A	
Battery input	Battery type	LiFePO4	
	Battery voltage range	150 V to 600 V	
	Max. charging/ discharging power	8.8kW/8.8kW	11kW/11kW
	Max. charging current / discharging current	50 A / 50 A	13.2kW/13.2kW
	Rated. charging current / discharging current	40 A / 40 A	
AC output	Nominal AC voltage	3W+N+PE, 220 V / 380 V; 230 V / 400 V; 240 V / 415 V	
	AC voltage range	360V~440V	
	Rated AC grid frequency	50 Hz / 60 Hz	
	Rated apparent power	8 kVA	10 kVA
	Max. apparent power	8.8 kVA	11 kVA
	Rated grid output Current (@400V)	11.6 A	14.5 A
	Max. grid output current	12.7A	15.9A
AC input	Rated grid voltage	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V	
	Rated grid frequency	50Hz / 60Hz	
	Rated apparent power	16 kW	20 kW
	Max. input apparent power from grid	17.6 kVA	22 kVA
	Max. input current from grid	25.5 A	31.8 A
EPS output	Nominal output voltage	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V	
	Nominal output frequency	50 Hz / 60 Hz	
	Rated apparent power	8 kVA	10 kVA
	Max. output apparent power	8 kVA	10 kVA
	Peak output apparent power	8.8 kVA	11 kVA
	Rated Current (@400V)	11.6 A	14.5 A
	Max. output current	12.7 A	15.9 A
	Max. switch time	<20 ms	
	Output THDi (@ Linear load)	<2%	
Efficiency	MPPT efficiency	≥99.5%	
	Max efficiency	97.90%	98.20%
	Euro efficiency	97.20%	97.50%
	Max. battery to load efficiency	97.50%	97.60%
Safety protection	DC-side disconnection device	●	
	PV string- / Battery input reverse polarity protection	● / ●	
	All-pole sensitive residual current monitoring unit	●	
	Anti-islanding protection	●	
	Ground fault protection	●	
	AC output over current protection	●	
	AC output short circuit current protection	●	
	AC over voltage protection	●	
	Protection class (as per IEC 62109-1)	I	
	overvoltage category (as per IEC 62109-1)	AC: III; DC: II	
General data	Power factor at rated power / adjustable displacement	≥0.99 / 0.8 leading to 0.8 lagging	
	Dimensions (W / H / D)	530 / 200 / 560 mm	
	Device weight	30kg	31kg
	Operating temperature range	-25 °C ... +60 °C	
	Noise emissions (typical)	< 35 dB(A)	
	Standby consumption	< 3 W	
	Cooling concept	Natural convection	
	Ingress protection rating (as per IEC 60529)	IP65	
	Climatic category (according to IEC 60721-3-4)	4K4H	
	Max. permissible value for relative humidity (non-condensing)	0~95%	
	Max. operating altitude	4000m (>2000m power derating)	
Features	User interface	LED & App	
	Communication with BMS	RS485 / CAN	
	Communication with meter	RS485	
	Communication with portal	WIFI stick	
	Integrated power control / Zero export control	● / ●	
Certificates	Grid	EN 50549-1,RfG 3	
	Safty	EN 62109-1, EN 62109-2	
	EMC	IEC 61000-6-1/-2/-3/-4, IEC 61000-3-11, IEC61000-3-12	

● Standard features / ○ optional features / – not available

Connect & monitor



Photo by Artem Podrez



Smart cloud-based monitoring & communication systems

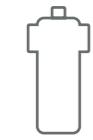
CLOUD BASED MONITORING

Solplanet Cloud and App

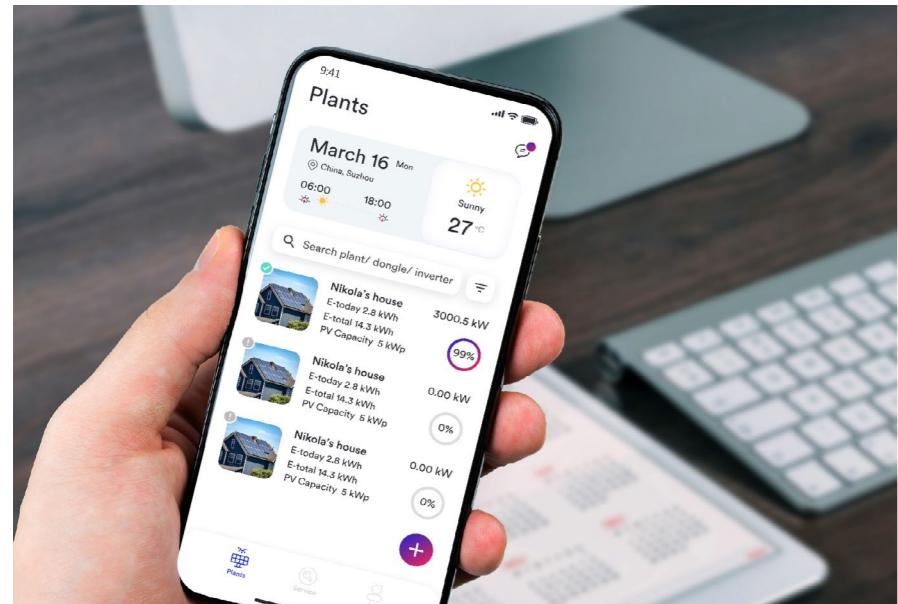


COM STICK SERIES

Wi-Fi Stick
4G Stick



Cloud & App



PV Plant monitoring plays an important role in our approach to revolutionizing access to solar energy. Your energy generation and consumption are presented in simple and easy to read graphs giving you a complete picture of your daily, monthly and yearly usage. Our monitoring solution will help you adjust your consumption behaviours to match your generation allowing you to make the most of your PV plant.

Real time and historical data are readily available via our cloud-based monitoring portal, allowing you to compare your current performance to past results. AiSWEI Cloud, our new online monitoring portal, is perfect for home owners, business owners and PV developers who want to monitor their PV Plants from anywhere in the world.

Easy-to-install

- Quick setup and commissioning of Solplanet inverters
- Quick active/reactive and export power control setup
- Available on Android and iOS devices and accessible via web browsers

Reliable

- Cloud-based monitoring system
- Centralized management of all plant data

User-friendly

- Intuitive navigation
- Clear readability of key plant data
- Performance reports sent via email

To download the app search for "Solplanet" or simply scan the QR codes:



Wi-Fi / 4G Stick



The WiFi / 4G stick allows Solplanet inverters to connect to the AiSWEI Cloud and App. The inverter and meter data is collected and sent to the AiSWEI Cloud via the internet to allow for easy PV plant monitoring.

Easy-to-install

- Plug and play design, easy-to-install
- Supports monitoring for up to 5 devices per stick

Reliable

- IP65 protection class
- Minimum seven day data storage
- Reliable and regular data upload

User-friendly

- QR codes for quick identification and registration
- LED status indicators
- Supports all mainstream WLAN & broadband cellular network protocols

Technical Data Sheet

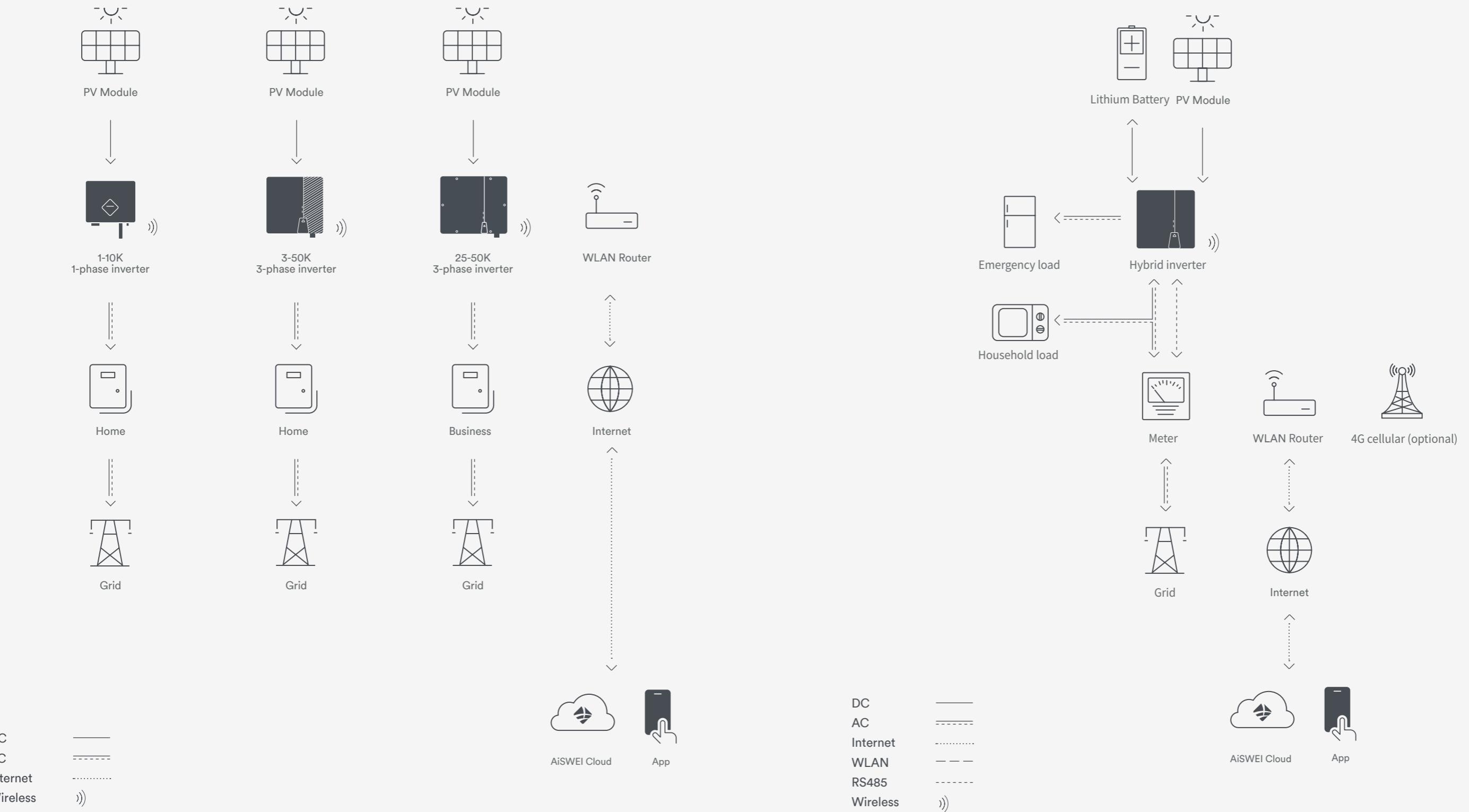
Wi-Fi Stick

4G Stick

	Supported device	Solplanet inverters	
Techni- cal Data	Number of devices supported	5 units	5 units
Indicators		2x LED's (Inv. Comms/Network)	
Communication interface	WLAN	2.4GHz 802.11 b/g/n	FDD-LTE: B1,B3, B5, B7,B8,B20
Power supply	Average power consumption	2 W	5 W
Operation environment	Operating temperature range	-30°C ... +70°C	
	Max. permissible relative humidity (non-condensing)	100 %	
	Max. operation altitude	3000 m	
	Protection class	IP65	
Basic data	Dimension (W/H/D)	51 / 112 / 27 mm	
	Mounting method	Plug and play	
	Certificate	CE	

Wi-Fi stick connection & monitor set up for single and three phase inverters

Wi-Fi connection & monitor set up for hybrid inverters



Internationally accredited laboratory

Our products are tested and certified according to strict international quality standards.

In addition to international quality test and certification of our products, our quality centre is also contributor and formulator of many international standards and the main drafting company of the China Quality Certification Center “Standards for Certification of Household Roof Solar System”.



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Photo by Raja Tilkan