

Solar for everybody

Product brochure





The power of the sun for the future of our planet

Photo by Nathan Dumlao

Solar for everybody



Photo by Leon Biss

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.

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 Zeyersolar 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 single phase inverter.

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 AiSWEI apps
- Compact wall mount design



Reliable

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



User-friendly

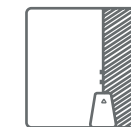
- User friendly app interface
- Online monitoring via Wi-Fi and AiSWEI apps
- Award winning inverter design



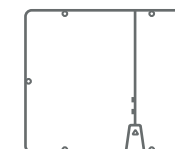
Our product range:

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

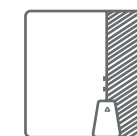
Single Phase
Inverters
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Three Phase
Inverters
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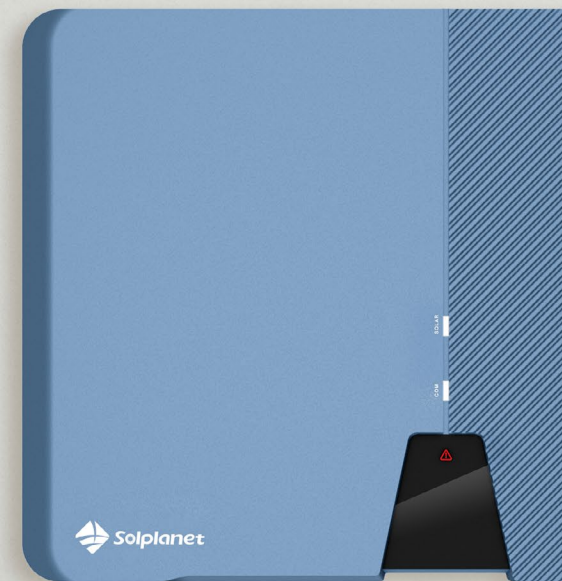
Single Phase
Hybrid Inverters
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Connect & Monitor
Page 38



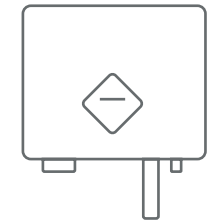
Single phase inverters



Perfect for home
& small business
applications

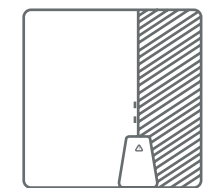
ASW S-S SERIES

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



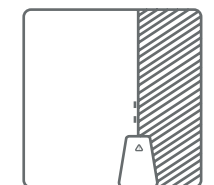
ASW S SERIES

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



ASW S SERIES

ASW6000-S
ASW8000-S
ASW10000-S



ASW S-S Series



Models:
ASW1000S-S
ASW1500S-S
ASW2000S-S
ASW3000S-S



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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 AiSWEI 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 power	1000 W	1500 W	2000 W	3000 W
	Max. apparent AC 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	Transformerless			
	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	Phoenix Contact			
	AC connection	Plug-in connector			
	Mounting type	Wall-mount bracket			
	LED indicators (Status / Fault / Communication)	●			
	Communication interface ^{1&2}	Wi-Fi / RS485 (Optional)			
	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



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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 AiSWEI apps
- Dual MPPT's for flexible PV array design

Technical Datasheet

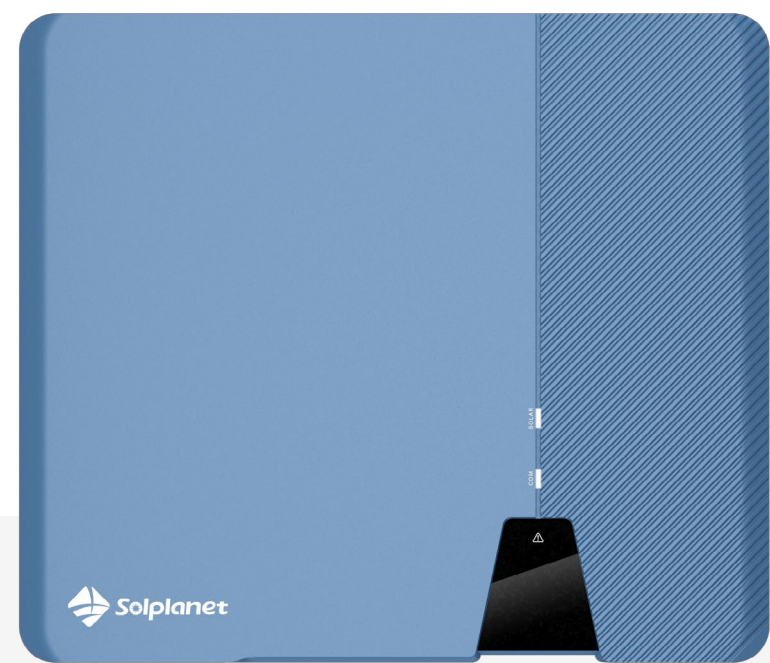
		ASW3000-S	ASW3680-S	ASW4000-S	ASW5000-S
Input (DC)	Max. PV array power	4500 Wp STC	5520 Wp STC	6000 Wp STC	7500 Wp STC
	Max. input voltage	580 V			
	MPP voltage range / rated input voltage	80 V to 550 V / 360 V			
	Min. input voltage	80 V			
	Initial. feed in voltage	100 V			
	Max. operating input current	12 A / 12 A			
	Max. short circuit current	18 A / 18 A			
	No. of independent MPPT inputs / strings per MPPT input	2 / 1			
Output (AC)	Rated power	3000 W	3680 W	4000 W	5000 W
	Max. apparent AC power	3000 VA	3680 VA	4000 VA	5000 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	22.7 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 %	97.85 % / 97.6 %
	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	Transformerless			
	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 %			
Features	Max. operating altitude	3000 m			
	DC connection	Phoenix Contact			
	AC connection	Plug-in connector			
	Mounting type	Wall-mount bracket			
	LED indicators (Status / Fault / Communication)	●			
	Communication interface¹	Wi-Fi / 4G / RS485 (Optional)			
	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 4777.2:2015 grid code

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

ASW S Series



Models:
ASW6000-S
ASW8000-S
ASW10000-S



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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 AiSWEI apps
- 3 MPPT's for flexible PV array design

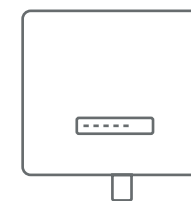
Technical Datasheet		ASW6000-S	ASW8000-S	ASW10000-S
Input (DC)	Max. PV array power	9000 Wp STC	12000 Wp STC	15000 Wp STC
	Max. input voltage	600 V		
	MPP voltage range / rated input voltage	80 V - 560 V / 360 V		
	Min. input voltage	80 V		
	Initial. feed in voltage	100 V		
	Max. operating input current	16 A		
	Max. short circuit current	22.5 A		
	No. of independent MPPT inputs / strings per MPPT input	3 / 1		
Output (AC)	Rated power	6000 W	8000 W	10000 W
	Max. apparent AC power	6600 VA ^{3&4}	8800 VA ^{3&4}	11000 VA ^{3&4}
	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	30 A	40 A	50 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	97.7 % / 97.3 %		
	DC switch	●		
	Ground fault monitoring / grid monitoring	● / ●		
	DC reverse polarity protection / AC short circuit protection	● / ●		
	All-pole-sensitive residual-current monitoring unit	●		
	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	< 18 kg		
	Operating temperature range	-25°C ... +60°C		
	Self-consumption (at night)	< 1 W		
	Topology	Transformerless		
	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	Phoenix Contact		
	AC connection	Plug-in connector		
	Mounting type	Wall-mount bracket		
	LED indicators (Status / Fault / Communication)	●		
	Communication interface ^{1&2}	Wi-Fi / 4G / RS485 (Optional)		
	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
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 European and AS/NZS4777 grid codes
4- For European and AS/NZS4777 the Max.apparent AC power is equal to the rated power



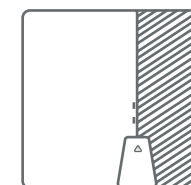
Three phase inverters

High yield, reliable
residential and
commercial inverters



ASW T SERIES

ASW3000 / 4000 / 5000 / 6000 / 8000 / 10000-T



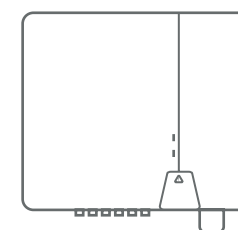
ASW LT-G2 SERIES

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

ASW LT-G2 Pro SERIES

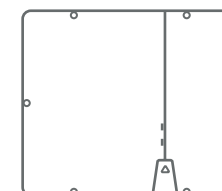
ASW3K / 4K / 5K / 6K-LT-G2 Pro

ASW8K / 10K / 12K / 15K / 17K / 20K-LT-G2 Pro



ASW LT-G3 SERIES

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



ASW LT-G2 Pro SERIES

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

ASW LT-G2 Pro SERIES

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

Three phase inverters 3 to 10 kW

ASW T Series



Models:
ASW3000-T
ASW4000-T
ASW5000-T
ASW6000-T
ASW8000-T
ASW10000-T



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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 AiSWEI apps
- Dual MPPT's for flexible PV array design

Technical Datasheet

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					
Output (AC)	Rated power	3000 W	4000 W	5000 W	6000 W	8000 W	10000 W
	Max. apparent AC 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					
	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	●					
	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	Transformerless					
	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	Phoenix Contact					
	AC connection	Plug-in connector					
	Mounting type	Wall-mount bracket					
	LED indicators (Status / Fault / Communication)	●					
	Communication interface ^{1&2}	Wi-Fi / RS485 (Optional)					
	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- 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



Models:
ASW3K-LT-G2 Pro
ASW4K-LT-G2 Pro
ASW5K-LT-G2 Pro
ASW6K-LT-G2 Pro



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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
- 16 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

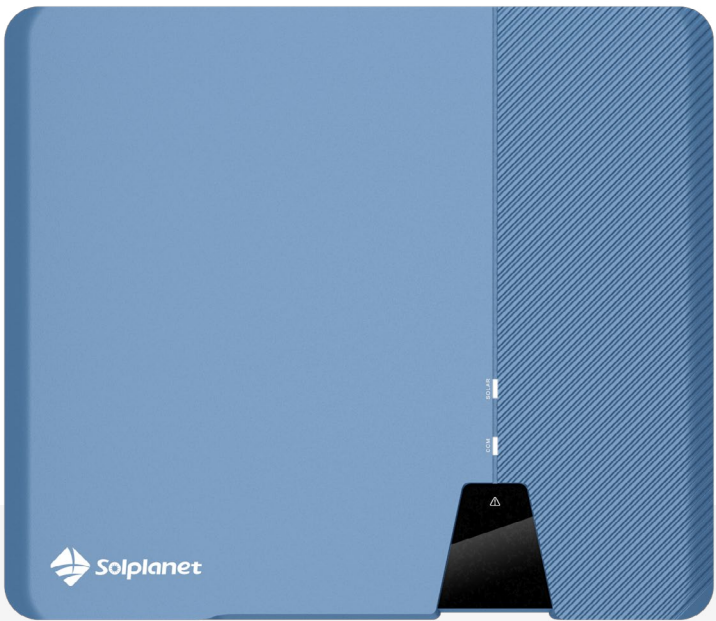
Technical Datasheet

ASW 3K-LT-G2 Pro ASW 4K-LT-G2 Pro ASW 5K-LT-G2 Pro ASW 6K-LT-G2 Pro

Input (DC)	Max. PV array power	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 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			
	Max. short circuit current	25 A / 25 A			
	No. of independent MPPT inputs / strings per MPPT input	2 / A :1 ; B : 1			
Output (AC)	Rated power	3000 W	3680 W	4000 W	5000 W
	Max. apparent AC power	3000 VA ^{3&4}	3680 VA ^{3&4}	4000 VA ^{3&4}	5000 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	4.8 A	6.4 A	8.0 A	9.6 A
	Adjustable power factor range	0.8 leading to 0.8 lagging			
	Feed-in phases	3 / 3-N-PE			
Efficiency & Protection	Harmonic distortion (THD) at rated output	< 3 %			
	Max. efficiency / European efficiency	98.3 % / 97.9 %			
	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)	503 / 435 / 183 mm			
	Weight	< 15 kg			
	Operating temperature range	-25°C ... +60°C			
	Self-consumption (at night)	< 1 W			
	Topology	Transformerless			
	Cooling concept	Natural Convection			
	Degree of protection (according to IEC 60529)	IP66			
	Climatic category (according to IEC 60721-3-4)	4K4H			
Features	Max. permissible value for relative humidity (non-condensing)	1			
	Max. operating altitude	3000 m			
	DC connection	Phoenix Contact			
	AC connection	Plug-in connector			
	Mounting type	Wall-mount bracket			
	LED indicators (Status / Fault / Communication)	●			
	Communication interface ^{1&2}	Wi-Fi / 4G / RS485 (Optional)			
	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

ASW LT-G2 Series



Models:
ASW8K-LT-G2
ASW10K-LT-G2
ASW12K-LT-G2
ASW15K-LT-G2
ASW17K-LT-G2
ASW20K-LT-G2



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI apps
- Compact wall mount design



Reliable

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



User-friendly

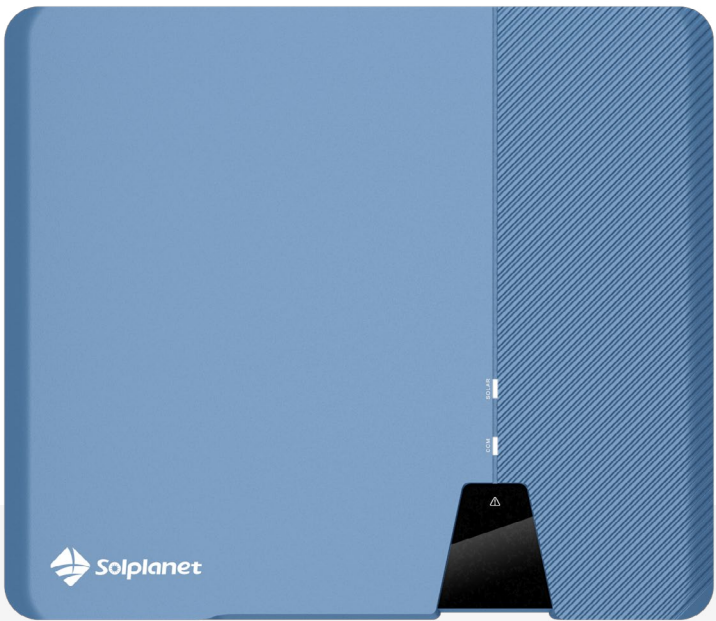
- User friendly app interface
- 13 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Technical Datasheet

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	30000 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	26 A / 26 A	26 A / 26 A	26 A / 26 A
	Max. short circuit current	40 A / 20 A	40 A / 20 A	40 A / 40 A	40 A / 40 A	40 A / 40 A	40 A / 40 A
	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	2 / A:2;B:2
Output (AC)	Rated power	8000 W	10000 W	12000 W	15000 W	17000 W	20000 W
	Max. apparent AC power	8000 VA	10000 VA	12000 VA	15000 VA	17000 VA	20000 VA
	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	31.9 A
	Adjustable power factor range	0.8 leading to 0.8 lagging					
	Feed-in phases	3					
	Harmonic distortion (THD) at rated output	< 3 %					
Efficiency & Protection	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	●					
	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	17.3 kg	17.3 kg	17.3 kg	17.3 kg	18.6 kg	18.6 kg
	Operating temperature range	-25°C ... +60°C					
	Self-consumption (at night)	< 1 W					
	Topology	Transformerless					
	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					
Features	DC connection	Phoenix Contact					
	AC connection	Plug-in connector					
	Mounting type	Wall-mount bracket					
	LED indicators (Status / Fault / Communication)	●					
	Communication interface	Wi-Fi / 4G / RS485 (Optional)					
	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.

ASW LT-G2 Pro Series



Models:
ASW8K-LT-G2 Pro
ASW10K-LT-G2 Pro
ASW12K-LT-G2 Pro
ASW15K-LT-G2 Pro
ASW17K-LT-G2 Pro
ASW20K-LT-G2 Pro



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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

Technical Datasheet		ASW 8K-LT-G2 Pro	ASW 10K-LT-G2 Pro	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	12000 Wp STC	15000 Wp STC	18000 Wp STC	22500 Wp STC	25500 Wp STC	30000 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	20A / 16 A	20A / 16 A	32 A / 20 A	32 A / 20 A	32 A / 32 A	32 A / 32 A
	Max. short circuit current	30 A / 25 A	30 A / 25 A	48 A / 30 A	48 A / 30 A	48 A / 48 A	48 A / 48 A
	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	2 / A:2;B:2
Output (AC)	Rated power	8000 W	10000 W	12000 W	15000 W	17000 W	20000 W
	Max. apparent AC power	8800VA ^{3&4}	11000VA ^{3&4}	13200VA ^{3&4}	16500VA ^{3&4}	18700VA ^{3&4}	22000VA ^{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	12.8 A	16 A	19.1 A	24 A	27.1 A	31.9 A
	Adjustable power factor range	0.8 leading to 0.8 lagging					
	Feed-in phases	3 / 3-N-PE					
Efficiency & Protection	Harmonic distortion (THD) at rated output	< 3 %					
	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	●					
General data	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II					
	Dimensions (W / H / D)	503 / 435 / 183 mm					
	Weight	17.3 kg	17.3 kg	17.3 kg	17.3 kg	18.6 kg	18.6 kg
	Operating temperature range	-25°C ... +60°C					
	Self-consumption (at night)	< 1 W					
	Topology	Transformerless					
	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)	1					
	Max. operating altitude	3000 m					
Features	DC connection	Phoenix Contact					
	AC connection	Plug-in connector					
	Mounting type	Wall-mount bracket					
	LED indicators (Status / Fault / Communication)	●					
	Communication interface ^{1&2}	Wi-Fi / 4G / RS485 (Optional)					
	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
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

ASW LT-G3 Series



Models:
ASW25K-LT-G3
ASW27K-LT-G3
ASW30K-LT-G3
ASW33K-LT-G3
ASW36K-LT-G3
ASW40K-LT-G3



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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 to 1000 V / 630 V					
	Min. input voltage	160 V					
	Initial. feed-in voltage	200 V					
	Max. operating input current	32 A / 32 A / 32 A			32 A / 32 A / 40 A		
	Max. short circuit current	48 A / 48 A / 48 A			48 A / 48 A / 60 A		
	No. of independent MPPT inputs / strings per MPPT input	3 / A:2;B:2;C:2			3 / A:2;B:2;C:2		
Output (AC)	Rated power	25000W	27000W	30000W	33000W	36000W	40000W
	Max. apparent AC 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	39.9 A	43.0 A	47.8 A	52.6 A	57.4 A	63.8 A
	Adjustable power factor range	0.8 leading to 0.8 lagging					
	Feed-in phases	3 / 3-N-PE					
Efficiency & Protection	Harmonic distortion (THD) at rated output	< 3 %					
	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	●					
	Lightning protection	●					
	Anti-islanding Protection	●					
General data	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II					
	Dimensions (W / H / D)	543 / 463 / 225 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	Transformerless					
	Cooling concept	Active cooling					
	Degree of protection (according to IEC 60529)	IP66					
Features	Climatic category (according to IEC 60721-3-4)	4K4H					
	Max. permissible value for relative humidity (non-condensing)	100 %					
	Max. operating altitude	3000 m					
	DC connection	Phoenix Contact					
	AC connection	Plug-in connector					
	Mounting type	Wall-mount bracket					
	LED indicators (Status / Fault / Communication)	●					
	Communication interface ^{1&2}	Wi-Fi / 4G / RS485 (Optional)					
	Certificates and approvals (more available on request)	CE, EN50549 ,IEC62109, IEC62116, IEC61727, 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

ASW LT-G2 Series



Models:
ASW30K-LT-G2
ASW33K-LT-G2
ASW36K-LT-G2
ASW40K-LT-G2
ASW45K-LT-G2
ASW50K-LT-G2



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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		ASW30K-LT-G2	ASW33K-LT-G2	ASW36K-LT-G2	ASW40K-LT-G2	ASW45K-LT-G2	ASW50K-LT-G2
Input (DC)	Max. PV array power	45000 Wp STC	49500 Wp STC	54000 Wp STC	60000 Wp STC	67500 Wp STC	75000 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	5 / 2
Output (AC)	Rated power	30000 W	33000 W	36000 W	40000 W	45000 W	50000 W
	Max. apparent AC power	30000 VA	33000 VA	36000 VA	40000 VA	45000 VA	50000 VA
	AC nominal voltage	220 V / 380 V 230 V / 400 V					
	AC voltage range	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					
	Max. output current	50.0 A	55.0 A	60.0 A	66.7 A	75.0 A	80.0 A
	Adjustable power factor range	0.8 leading to 0.8 lagging					
	Feed-in phases	3 / 3-N-PE					
Efficiency & Protection	Harmonic distortion (THD) at rated output	<= 3%					
	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	●					
General data	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC : III ; DC : II					
	Dimensions (W / H / D)	670 / 580 / 270 mm					
	Weight	42 kg	42 kg	42 kg	42.5 kg	42.5 kg	43 kg
	Operating temperature range	-25°C ... +60°C					
	Self-consumption (at night)	< 1 W					
	Topology	Transformerless					
	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	Phoenix Contact					
	AC connection	OT connector					
	Mounting type	Wall-mount bracket					
	LED indicators (Status / Fault / Communication)	●					
	Communication interface	Wi-Fi / 4G / RS485 (Optional)					
	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

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI apps
- 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		
	MPP voltage range / rated input voltage	200 V to 1000 V / 620 V		
	Min. input voltage	200 V		
	Initial. feed-in voltage	250 V		
	Max. operating input current	32 A		
	Max. short circuit current	48 A		
	No. of independent MPPT inputs / strings per MPPT input	4 / 2	4 / 2	5 / 2
Output (AC)	Rated power	40000 W	45000 W	50000 W
	Max. apparent AC power	40000 VA	45000 VA	50000 VA
	AC nominal voltage	220 V / 380 V 230 V / 400 V		
	AC voltage range	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		
	Max. output current	66.7 A	75.0 A	80.0 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	98.6 % / 98.3 %		
	DC switch	●		
	Ground fault monitoring / grid monitoring	● / ●		
	DC reverse polarity protection / AC short circuit protection	● / ●		
	All-pole-sensitive residual-current monitoring unit	●		
	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	42.5 kg	42.5 kg	43 kg
	Operating temperature range	-25°C ... +60°C		
	Self-consumption (at night)	< 1 W		
	Topology	Transformerless		
	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)	1		
Features	Max. operating altitude	3000 m		
	DC connection	Phoenix Contact		
	AC connection	OT connector		
	Mounting type	Wall-mount bracket		
	LED indicators (Status / Fault / Communication)	●		
	Communication interface	Wi-Fi / 4G / RS485 (Optional)		
	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.

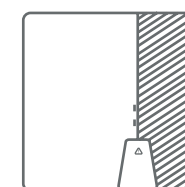


Single phase hybrid inverters

Perfect for home
& small business
applications

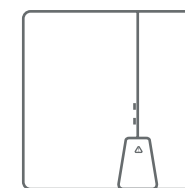
ASW H-S SERIES

ASW3000H-S
ASW3680H-S
ASW4000H-S
ASW5000H-S

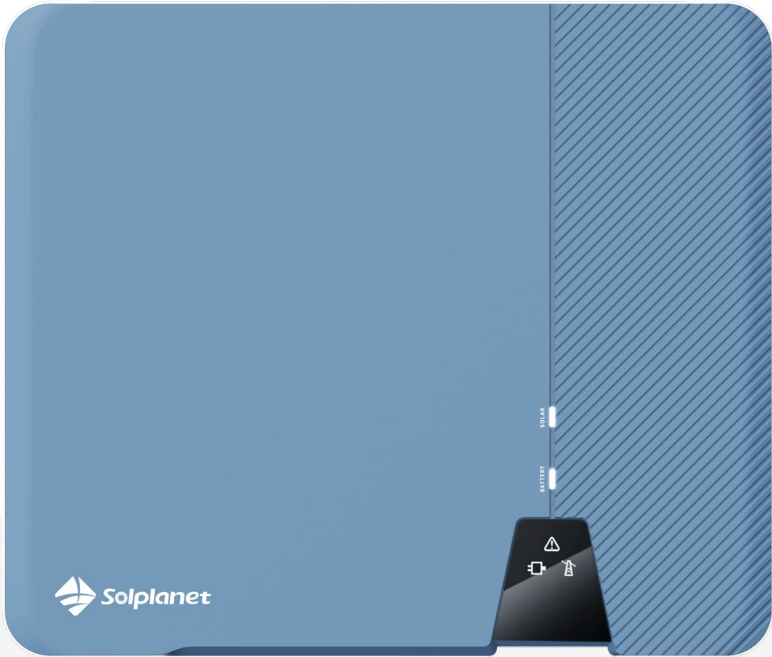


ASW H-S2 SERIES

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



Single phase hybrid inverters



Models:
ASW3000H-S
ASW3680H-S
ASW4000H-S
ASW5000H-S



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Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with AiSWEI 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 AiSWEI apps
- Easy to connect - battery and smart meter interfaces

Technical Data Sheet

Technical Data Sheet		ASW3000H-S	ASW3680H-S	ASW4000H-S	ASW5000H-S	
PV Input	Max. PV array power	6000 Wp STC		6680 Wp STC	7000 Wp STC	7500 Wp STC
	Max. input voltage	550 V				
	MPP voltage range / rated input voltage	100 V to 530 V / 380 V				
	Min. input voltage / start voltage	100 V / 125 V				
	No. of independent MPPT trackers / strings per MPPT input	2 / 1				
	Max. input current per MPP tracker	12 A				
Battery input	Max. short-circuit current per MPP tracker	15 A				
	Nominal battery voltage	48 V				
	Battery voltage range	40 V to 60 V				
	Max. charging / discharging power	3000 W / 3000 W				
	Max. charging current / Max. discharging current	63 A / 63 A				
	Battery type	Li-Ion				
AC output	Compatible Battery	Aiswei Ai-LB series				
	AC voltage range / Nominal AC voltage	180 V to 280 V / 230 V				
	Rated AC grid frequency	50 Hz / 60 Hz				
	AC grid frequency range	50 Hz±5Hz / 60 Hz±5Hz				
	Rated active power	3000 W	3680 W	4000 W	5000 W*1	
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA*2	
AC input	Max. apparent power	3000 VA	3680 VA	4000 VA	5000 VA*2	
	Rated grid output Current (@230V)	13.6 A	16 A	18.2 A	21.7 A*3	
	Max. grid output current	13.6 A	16 A	18.2 A	22.7 A*3	
	Harmonics THDi (@ Nominal power)	< 3%				
	Rated grid voltage	a.c. 230V				
	Rated grid frequency	50Hz / 60Hz				
EPS output	Rated apparent power	6000 VA				
	Max. input apparent power from grid	6000 VA				
	Rated input current from grid	a.c. 26.1 A				
	Max. input current from grid	a.c. 27.3 A				
	Nominal output voltage	230 V				
	Nominal output frequency	50 Hz / 60 Hz				
Effi- ciency	Max / Rated apparent power	3000 VA / 3000 VA				
	Peak output apparent power	4500 VA, 10s				
	Rated Current (@230V)	13.1 A				
	Max. output current	13.7 A				
	Max. switch time	10 ms				
	Output THDi (@ Linear load)	< 3%				
Safety protection	MPPT efficiency	99.9%				
	Euro efficiency / Max. efficiency	97% / 97.6%				
	Max. battery to load efficiency	94.7%				
	DC switch	●				
	PV string / Battery input reverse polarity protection	● / ●				
	All-pole sensitive residual current monitoring unit	●				
General data	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				
	Power factor at rated power / adjustable displacement	≥0.99 / 0.8 leading to 0.8 lagging				
Features	Dimensions (W / H / D)	494 / 420 / 195 mm				
	Device weight	21.5 kg				
	Operating temperature range	-25 °C ... +60 °C				
	Noise emissions (typical)	21 dB(A)				
	Standby consumption	< 10 W				
	Cooling concept	Natural convection				
Features	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)				
	Country of Manufacture	THE PEOPLE'S REPUBLIC OF CHINA				
	User interface	LED & App				
BMS inteface	RS485 / CAN					
Meter interface	RS485					
Communication with portal	WIFI stick					
Other interfaces	DRM					
Integrated power control / export power control	● / ●					

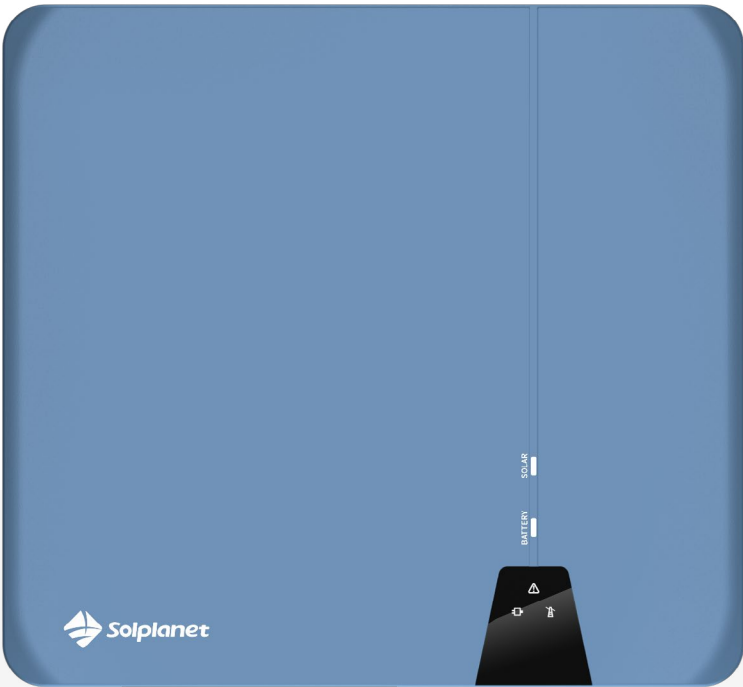
● Standard features / ○ optional features / – not available

*1 Nominal AC power set to 4600 W for VDE-AR-4105 grid code

*2 Apparent power set to 4600 W for VDE-AR-4105 grid code

*3Max. output current limited to 21.7 A when set to the AS/NZS 4777.2 grid code

Single phase hybrid inverters



Models:
ASW3000H-S2
ASW3680H-S2
ASW4000H-S2
ASW5000H-S2
ASW6000H-S2



reddot winner 2021



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with Aiswei 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 Aiswei apps
- Easy to connect - battery and smart meter interfaces

Technical Data Sheet

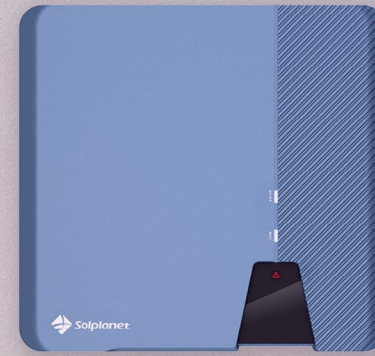
		ASW3000H-S2	ASW3680H-S2	ASW4000H-S2	ASW5000H-S2	ASW6000H-S2
PV Input	Max. PV array power	5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC	9000 Wp STC
	Max. input voltage	550 V				
	MPP voltage range / rated input voltage	40 V to 530 V / 380 V				
	Min. input voltage / start voltage	40 V / 50 V				
	No. of independent MPPT trackers / strings per MPPT input	2 / 1				
	Max. input current per MPP tracker	16 A				
	Max. short-circuit current per MPP tracker	20 A				
Battery input	Nominal battery voltage	48 V				
	Battery voltage range	40 V to 60 V				
	Max. charging / discharging power	5000 W / 5000 W				
	Max. charging current / Max. discharging current	100 A / 100 A				
	Battery type	Li-Ion				
AC output	Compatible Battery	Aiswei Ai-LB series				
	AC voltage range / Nominal AC voltage	180 V to 280 V / 230 V				
	Rated AC grid frequency	50 Hz / 60 Hz				
	AC grid frequency range	50 Hz±5Hz / 60 Hz±5Hz				
	Rated active power	3000 W	3680 W	4000 W	5000 W*1	6000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA*1	6000 VA
	Max. apparent power	3000 VA	3680 VA	4000 VA	5000 VA*1	6000 VA
	Rated grid output Current (@230V)	13.1 A	16 A	17.4 A	21.7 A*2	26.1 A
	Max. grid output current	13.6 A	16 A	18.2 A	22.7 A*2	27.3 A
	Harmonics THDi (@ Nominal power)	< 3%				
	Rated grid voltage	a.c. 230V				
	Rated grid frequency	50Hz / 60Hz				
AC input	Rated apparent power	6000 VA				
	Max. input apparent power from grid	6000 VA				
	Rated input current from grid	a.c. 26.1 A				
	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)	21.7 A				
	Max. output current	21.7 A				
	Max. switch time	≤ 10 ms				
Effi- ciency	Output THDi (@ Linear load)	< 3%				
	MPPT efficiency	99.9%				
Safety protection	Euro efficiency / Max. efficiency	97% / 97.6%				
	Max. battery to load efficiency	94.7%				
	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	Country of Manufacture	THE PEOPLE'S REPUBLIC OF CHINA				
	User interface	LED & App				
	Communication with BMS	RS485 / CAN				
	Communication with meter	RS485				
	Communication with portal	WIFI stick				
	Other communication	DRM				
	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, Iac max=21.7

Connect & monitor



Smart cloud-based
monitoring
& communication
systems



CLOUD BASED MONITORING

AiSWEI Cloud and App



COM STICK SERIES

Wi-Fi Stick
4G Stick



Cloud & App



PV Plant monitoring plays an important role in our approach to revolutionize access to solar energy. It saves you time and money by reducing PV plant downtime. Your energy generation and consumption are presented in simple and easy to read graphs for complete plant management.

Real time and historical data are readily available via our cloud-based monitoring portal, allowing you to compare your current performance to past results and projected goals. 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 “AiSWEI” 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

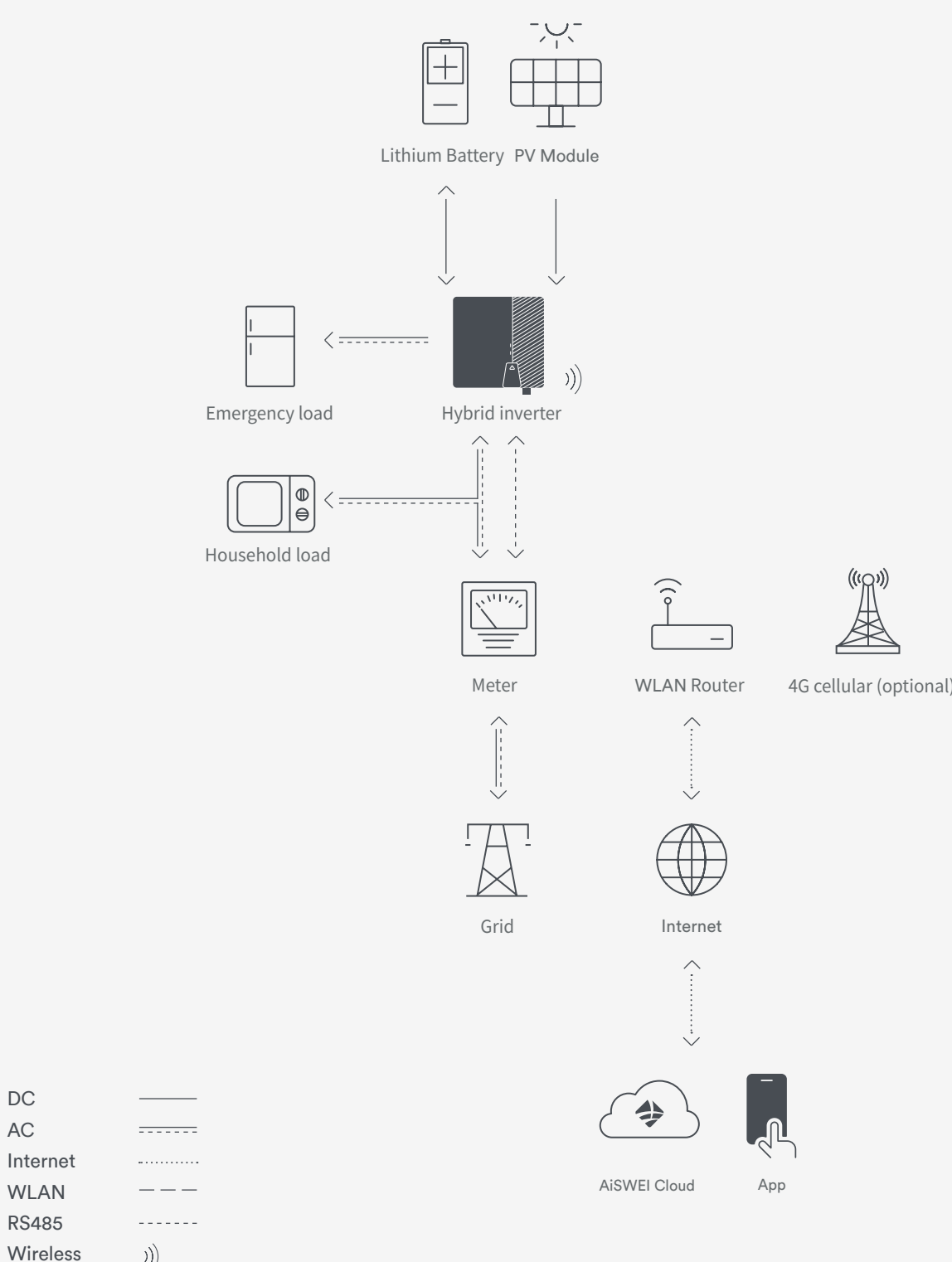
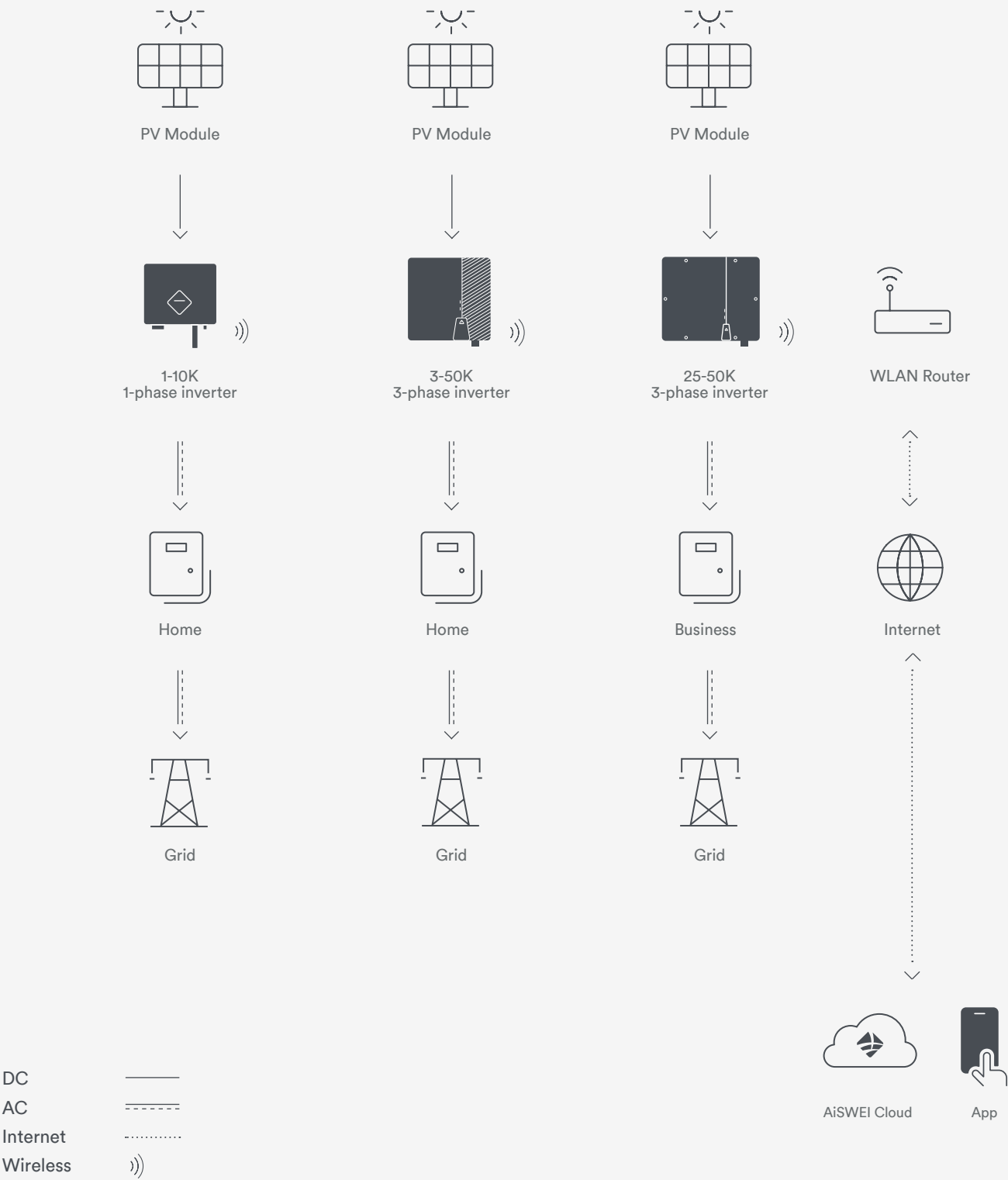
- QR codes for quick identification and registration
- LED status indicators
- Supports all mainstream WLAN & broadband cellular network protocols

Technical Data Sheet

		Wi-Fi Stick	4G Stick
Technical Data	Supported device	Solplanet inverters	
	Number of devices supported	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 single phase residential hybrid inverters



Internationally accredited laboratory

Our products are tested and certified according to leading 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”.



SOLPLANET INTERNATIONAL

info@solplanet.net
sales@solplanet.net
service@solplanet.net

SOLPLANET AUSTRALIA

Sales: +61 390 988 674
sales.au@solplanet.net
Service: +61 390 988 674
service.au@solplanet.net

SOLPLANET BRAZIL

Sales: +55 51 99800 8500
sales.br@solplanet.net
Service: +55 0800 606 6016
service.br@solplanet.net

SOLPLANET GERMANY

Sales: +49 151 59184325
sales.de@solplanet.net
Service: +31 20 800 4844 (EN)
service.eu@solplanet.net

SOLPLANET HUNGARY

Sales: +36 70 787 0070
sales.hu@solplanet.net
Service: +36 465 00 384
service.hu@solplanet.net

SOLPLANET KOREA

Sales: +82 31 422 8110
sales.kr@solplanet.net
Service: +82 31 422 8110
service.kr@solplanet.net

SOLPLANET POLAND

Sales: +48 600 080 311
sales.pl@solplanet.net
Service: +48 13 4926 109
service.pl@solplanet.net

SOLPLANET SOUTH AFRICA

Sales: +27 814164126
sales.rsa@solplanet.net
service@solplanet.net

SOLPLANET SPAIN

Sales: +34 676 633 900
sales.es@solplanet.net
Service: +31 20 800 4844 (EN)
service.eu@solplanet.net

SOLPLANET SWEDEN

Sales: +46 760 499 083
sales.se@solplanet.net
Service: +31 20 800 4844 (EN)
service.eu@solplanet.net

SOLPLANET THE NETHERLANDS

Sales: +31 202 402 557
sales.nl@solplanet.net
Service: +31 20 800 4844 (EN)
service.eu@solplanet.net

SOLPLANET TURKEY

Sales: +90 554 631 1089
sales.tr@solplanet.net
Service: +90 850 346 0024
service.tr@solplanet.net

AIWEI GREATER CHINA

Sales: +86 512 6937 2978
sales.china@aiswei-tech.com
Service: +86 400 801 9996
service.china@aiswei-tech.com