



Solar for everybody

Product brochure



The power of the sun for the future of our planet

Photo by Nathan Dumiao

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 10 GW. 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 Zegersolar 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.



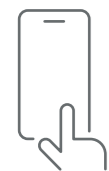
Easy-to-install

- 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
- IP65 rated design for outdoor use



User-friendly

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

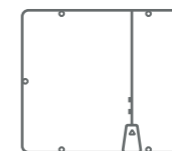
Our product range:

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

Single Phase Inverters
Page 8



Three Phase Inverters
Page 16



Single Phase Hybrid Inverters
Page 24



Connect & Monitor
Page 28



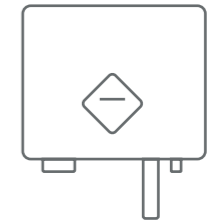
Single phase inverters



Perfect for home
& small business
applications

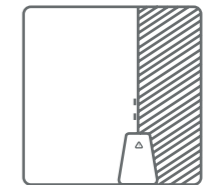
ASW S-S SERIES

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



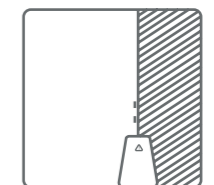
ASW S SERIES

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



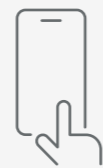
Easy-to-install

- 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

	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 %
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



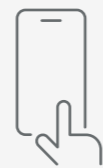
Easy-to-install

- 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

	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 %
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 %			
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	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

	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	8800 VA ³	11000 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	30 A	40 A	50 A
	Adjustable power factor range	0.8 leading to 0.8 lagging		
	Feed-in phases	1		
Efficiency & Protection	Harmonic distortion (THD) at rated output	< 3 %		
	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	●		
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	< 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 %		
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 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

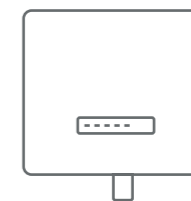
Three phase inverters



High yield, reliable residential and commercial inverters

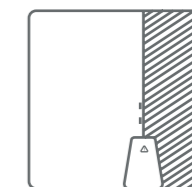
ASW T SERIES

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



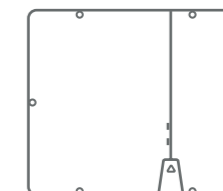
ASW LT-G2 SERIES

ASW8K-LT-G2
ASW10K-LT-G2
ASW12K-LT-G2
ASW13K-LT-G2
ASW15K-LT-G2
ASW17K-LT-G2
ASW20K-LT-G2



ASW LT-G2 SERIES

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



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

	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	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 %					
	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%
Efficiency & Protection	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					
	Dimensions (W / H / D)	424 / 375 / 172 mm					
General data	Weight	13.5 kg	13.5 kg	13.5 kg	13.5 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	Natural convection	Natural convection	Natural convection	Active cooling	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

Three phase inverters 8 to 20 kW

ASW LT-G2 Series



Models:
 ASW8K-LT-G2
 ASW10K-LT-G2
 ASW12K-LT-G2
 ASW13K-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

	ASW 8K-LT-G2	ASW 10K-LT-G2	ASW 12K-LT-G2	ASW 13K-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	19500Wp STC	22500 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	26A/26A	26A/26A	26A/26A
	Max. short circuit current	40 A / 20 A	40 A / 20 A	40 A / 40 A	40 A / 40 A	40A/40 A	40A/40A	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:1	2 / A:2;B:2	2 / A:2;B:2
Output (AC)	Rated power	8000 W	10000 W	12000 W	13000 W	15000 W	20000 W	
	Max. apparent AC power	8000 VA	10000 VA	12000 VA	13000 VA	15000 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	20.7 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	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 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	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 to 305 V / 312 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					
	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 kg	42kg	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.

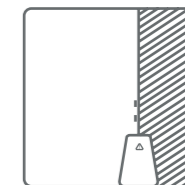


Single phase hybrid inverters

Perfect for home
& small business
applications

ASW H-S SERIES

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



Single phase hybrid inverters 3 to 5 kW

Hybrid single phase inverters



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



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

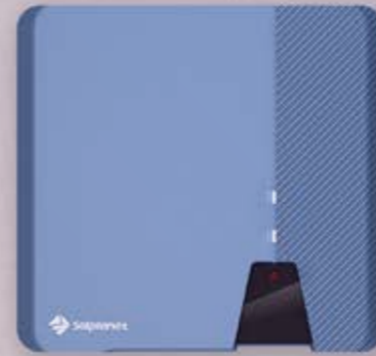
- User friendly app interface
- Online monitoring via Wi-Fi and AiSWEI apps
- Easy to connect - battery and smart meter interfaces

Technical Data Sheet

	ASW3000H-S	ASW3680H-S	ASW4000H-S	ASW5000H-S	
Input (DC)	Max. PV array power	6000 Wp STC	6680 Wp STC	7000 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 / (1/1)			
	Max. input current per MPPT tracker	12 A			
Battery input (DC)	Nominal battery voltage	48 V			
	Battery voltage range	40 V to 60 V			
	Max. charging power	3000 W			
	Max. discharging power	3000 W			
	Max. charging current / Max. discharging current	63 A			
	Battery type	Li-Ion			
AC output (Grid output/input)	AC nominal power	3000 W	3680 W	4000 W	5000 W*1
	Max. AC apparent power to Utility Grid	3000 VA	3680 VA	4000 VA	5000 VA*2
	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	±5 Hz			
	Max. grid output current	13.6 A	16 A	18.2 A	22.7 A*3
	Power factor at rated power / adjustable displacement	0.8 leading to 0.8 lagging			
	Harmonics THDi (@ Nominal power)	< 3 %			
	Max. grid input apparent power	6000 VA			
	Max. grid input current	a.c. 27.3A			
	EPS output	Max. output apparent power	3000 VA		
Peak output apparent power		4500 VA, 10s			
Nominal output voltage		230 V			
Nominal output frequency		50 Hz / 60 Hz			
Max. output current		a.c. 13.7A			
Max. switch time		10ms			
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 switch	●			
	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	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			
	Degree of protection (as per IEC 60529)	IP65			
	Climatic category (according to IEC 60721-3-4)	4K4H			
	Max. permissible value for relative humidity (non-condensing)	100.00 %			
	Max. operating altitude	4000m (>3000m power derating)			
Features	User interface	LED & App			
	BMS interface	RS485 / CAN			
	Meter interface	RS485			
	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

Connect & monitor



Smart cloud-based
monitoring
& communication
systems



Photo by Artem Podrez

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

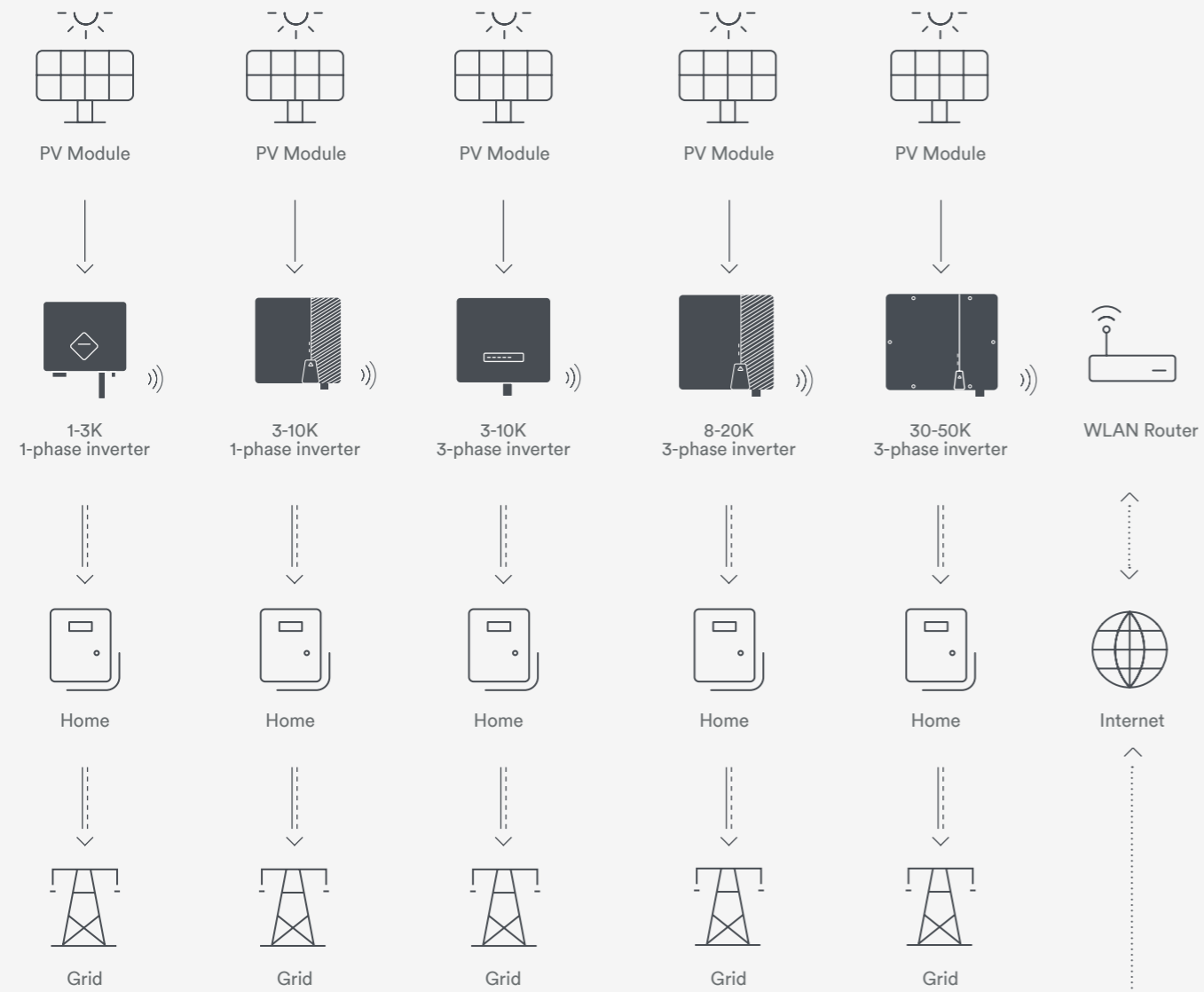
Wi-Fi Stick

4G Stick

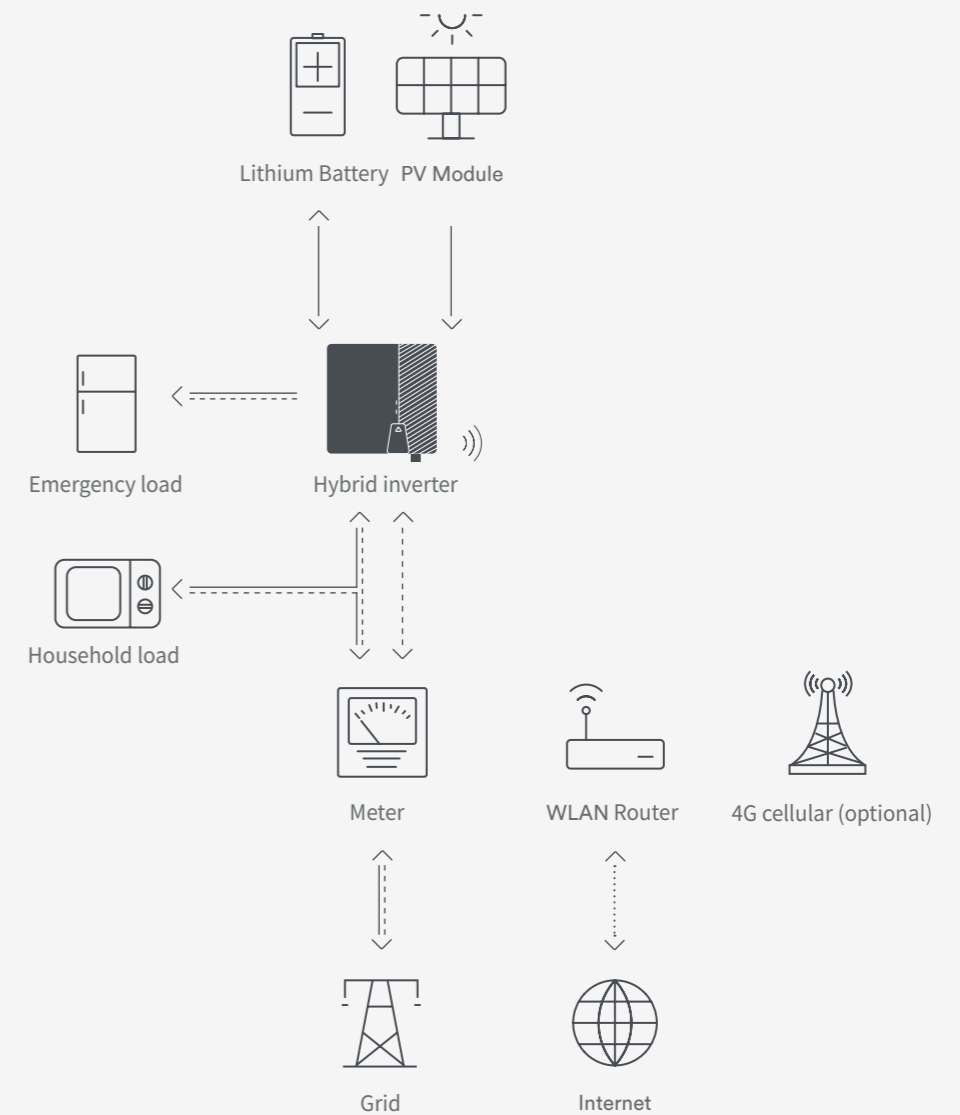
Technical Data	Supported device	Solplanet inverters	
	Number of devices supported	5 units	5 units
Indicators	2x LED's (Inv. Comms/Network)		
Configuration method	App	N/A	
Input voltage	7 ... 9 Vdc		
Communication interface	WLAN	2.4GHz 802.11 b/g/n	FDD-LTE: B1,B3, B5, B7,B8,B20
Power supply	Average power 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

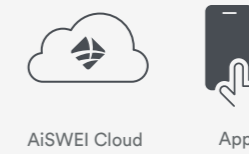
Wi-Fi connection & monitor set up for single phase residential hybrid inverters



DC ———
 AC - - - -
 Internet
 WLAN - · - ·
 Wireless)))



DC ———
 AC - - - -
 Internet
 WLAN - · - ·
 RS485 - - - -
 Wireless)))



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”.



Intertek



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Photo by Raja Tilikian