Solar for everybody

Solplanet

Product brochure

The power of the sun for the future of our planet

Photo by Nathan Dumlao

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.

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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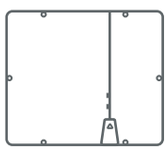
Three Phase Inverters
Page 16



Hybrid Inverters
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Connect & Monitor
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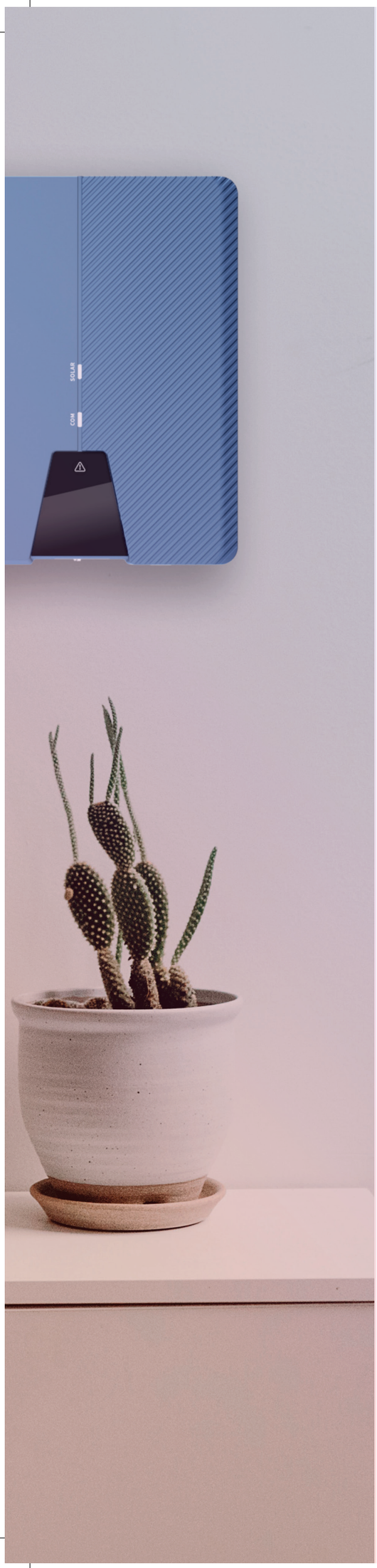
Single phase inverters

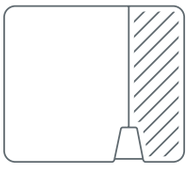
Photo by Liana Mikah



Perfect for home & small business applications

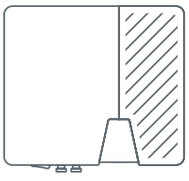
ASW S SERIES

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



ASW S SERIES

ASW5000-S-A
ASW6000-S-A
ASW8000-S-A
ASW10000-S-A



ASW S-G2 SERIES

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

Single phase inverters 3 to 5 kW

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 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		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 / 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	5000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA
	Max. apparent 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			
	Nominal output current	13.0 A	16 A	17.4 A	21.7 A*
	Max. output current	15 A	16 A	20 A	21.7 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	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	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)			
	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

Single phase inverters 5 to10 kW

ASW S Series

Models:
ASW5000-S-A
ASW6000-S-A
ASW8000-S-A
ASW10000-S-A

Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- 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

		ASW5000-S-A	ASW6000-S-A	ASW8000-S-A	ASW10000-S-A
Input (DC)	Max. PV array power	8000 Wp STC	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 active power	5000 W	6000 W	8000 W	9900 W
	Rated apparent Power	5000 VA	6000 VA	8000 VA	9900 VA
	Max. apparent power	5000 VA	6600 VA	8800 VA	9900 VA
	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			
	Nominal output current	21.7A	26.1A	34.8A	43.5A
	Max. output current	21.7A	30 A	40 A	45.5A
	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			
	Surge protection	● / Type 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	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	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)			
	Country of Manufacture	China			
	Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11			

● Standard features / O 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

Single phase inverters 3 to 6 kW

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	9000 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	6000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA	6000 VA
	Max. apparent power	3300 VA [3]	3680 VA [3]	4400 VA [3]	5500 VA [3]	6600 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 - 55 Hz 60 Hz / 55 Hz - 65 Hz				
	Max. output current	15A	16A	20A	25A [4]	30A
	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	O				
	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 / O 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

Three phase inverters

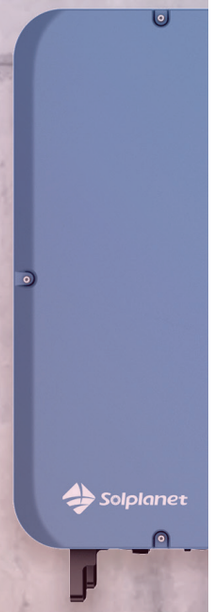
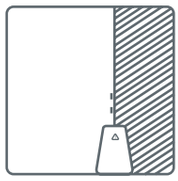


Photo by Paweł Czerwiński

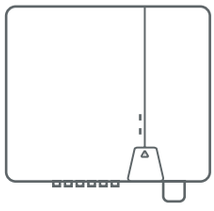
High yield, reliable residential and commercial inverters

ASW3K-LT-G2-A
ASW4K-LT-G2-A
ASW5K-LT-G2-A
ASW6K-LT-G2-A

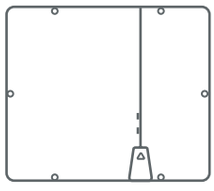
ASW8K-LT-G2-A
ASW10K-LT-G2-A
ASW12K-LT-G2-A
ASW15K-LT-G2-A
ASW17K-LT-G2-A
ASW20K-LT-G2-A



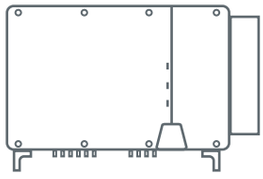
ASW25K-LT-G3
ASW27K-LT-G3
ASW30K-LT-G3
ASW33K-LT-G3
ASW36K-LT-G3
ASW40K-LT-G3



ASW45K-LT-G3
ASW50K-LT-G3
ASW60K-LT-G3



ASW75K-LT
ASW80K-LT
ASW100K-LT
ASW110K-LT



Three phase inverters 3 to 6 kW

ASW LT-G2-A Series

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

Easy-to-install

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

Technical Datasheet

		ASW 3K-LT-G2-A	ASW 4K-LT-G2-A	ASW 5K-LT-G2-A	ASW 6K-LT-G2-A
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 active power	3000 W	4000 W	5000 W	6000 W
	Rated apparent Power	3000 VA	4000 VA	5000 VA	6000 VA
	Max. apparent power	3000 VA	4000 VA	5000 VA	6000 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			
	Nominal output current	4.4A	5.8A	7.3A	8.7A
	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			
	Harmonic distortion (THD) at rated output	< 3 %			
Efficiency & Protection	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			
	Surge protection	● / Type II			
General data	Dimensions (W / H / D)	503 / 435 / 183 mm			
	Weight	16 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	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)			
	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 / O 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

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

Three phase inverters 8 to 20 kW

ASW LT-G2-A Series

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

Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- 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 8K-LT-G2-A	ASW 10K-LT-G2-A	ASW 12K-LT-G2 -A	ASW 15K-LT-G2 -A	ASW 17K-LT-G2-A	ASW 20K-LT-G2 -A
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	32A / 16 A	32A / 32 A	32 A / 32 A	32 A / 32 A	32A/32A	32A/32A
	Max. short circuit current	48 A / 25 A	48 A /48 A	48 A /48 A	48 A / 48 A	48A/48A	48A/48A
	No. of independent MPPT inputs / strings per MPPT input	2 / A:2;B:1	2 / A:2;B:2	2 / A:2;B:2	2/A:2;B:2	2 / A:2;B:2	2 / A:2;B:2
Output (AC)	Rated active power	8000 W	10000 W	12000 W	15000 W	17000 W	20000 W
	Rated apparent Power	8000VA	10000VA	12000VA	15000VA	17000VA	20000 VA
	Max. apparent power	8000VA	10000VA	12000VA	15000VA	17000VA	22000VA
	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					
	Nominal output current	11.6A	14.5A	17.4A	21.7A	24.6A	29.0A
	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					
	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					
	Surge protection	● / Type II					
General data	Dimensions (W / H / D)	503 / 435 / 183 mm					
	Weight	16 kg	16 kg	16 kg	17kg	18kg	18kg
	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					
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)					
	Country of Manufacture	China					
	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

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

Three phase inverters 25 to 40 kW

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 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		
Output (AC)	Rated active power	25000W	27000W	29900W	33000W	36000W	40000W
	Rated apparent power	25000 VA	27000 VA	29900 VA	33000 VA	36000 VA	40000 VA
	Max. apparent power	25000VA	27000VA	29900 VA	33000VA	36000VA	40000VA
	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					
	Nominal output current	36.2A	39.1A	43.5 A	47.8 A	52.2 A	58.0A
	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%					
Efficiency & Protection	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	●					
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II					
	Surge protection	● / Type II					
General data	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					
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)					
	Country of manufacture	China					
	Certificates and approvals (more available on request)	CE, EN50549 ,IEC62109, IEC62116, IEC61727, IEC61000, NB/T 32004					

● Standard features / O 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.

Three phase inverters 45 to 60 kW

ASW LT-G3 Series

Models:
ASW45K-LT-G3
ASW50K-LT-G3
ASW60K-LT-G3

Easy-to-install

- Phoenix Contact connectors for reliable tool-free DC connection
- Compact wall mount design
- Fuse-free design thereby reducing BOS cost
- Setup, commissioning and monitoring via the Solplanet app

Higher Yields

- 150 % PV array oversizing for higher yields
- Up to 5 MPPT´s for flexible PV array design
- Max. 20 A input current per string, ideal for bifacial and large area PV modules
- ShadeSol - improved generation under non-ideal conditions

Reliable & Safe

- Type II AC & DC Surge Protection
- Integrated DC switches
- IP66 rated design for outdoor use

Technical Datasheet

		ASW45K-LT-G3	ASW50K-LT-G3	ASW60K-LT-G3
Input (DC)	Max. PV array power	67500 Wp STC	75000 Wp STC	90000 Wp STC
	Max. input voltage	1100 V		
	MPP voltage range / rated input voltage	200 V - 1000 V / 630 V		
	Min. input voltage	200 V		
	Initial. feed-in voltage	250 V		
	Max. operating input current	40 A / 32 A / 32 A / 40 A	40 A / 32 A / 32 A / 40 A / 32 A	40 A / 32 A / 32 A / 40 A / 32 A
	Max. short circuit current	60 A / 48 A / 48 A / 60 A	60 A / 48 A / 48 A / 60 A / 48 A	60 A / 48 A / 48 A / 60 A / 48 A
	No. of independent MPPT inputs / strings per MPPT input	4 / 2	5 / 2	5 / 2
Output (AC)	Rated active power	45000 W	50000 W	60000 W
	Rated apparent power	45000 VA	50000 VA	60000 VA
	Max. apparent power	49500 VA[1]	55000 VA[1]	66000 VA[1]
	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	75.2 A	83.6 A	95.3 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	●		
	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		
	Sunspec protocol	●		
General data	Dimensions (W / H / D)	670 / 640 / 270 mm		
	Weight	40 kg	43 kg	43 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		
	Relative humidity (non-condensing)	100%		
	Max. operating altitude	4000 m		
Features	DC connection	Plug-in connector		
	AC connection	OT/DT Connector		
	Mounting type	Wall-mount bracket		
	LED indicators (Status / Fault / Communication)	●		
	Communication interface	● / ● / O / O (RS485 / Wi-Fi / LAN / 4G)		
	Country of manufacture	China		
	Certificates and approvals (more available on request)	CE IEC 62109-1/2, IEC 61727,IEC 62116,IEC61683,G98/G99,VDE4110,VED4105,EN50549-1/2		

● Standard features / O optional features / – not available

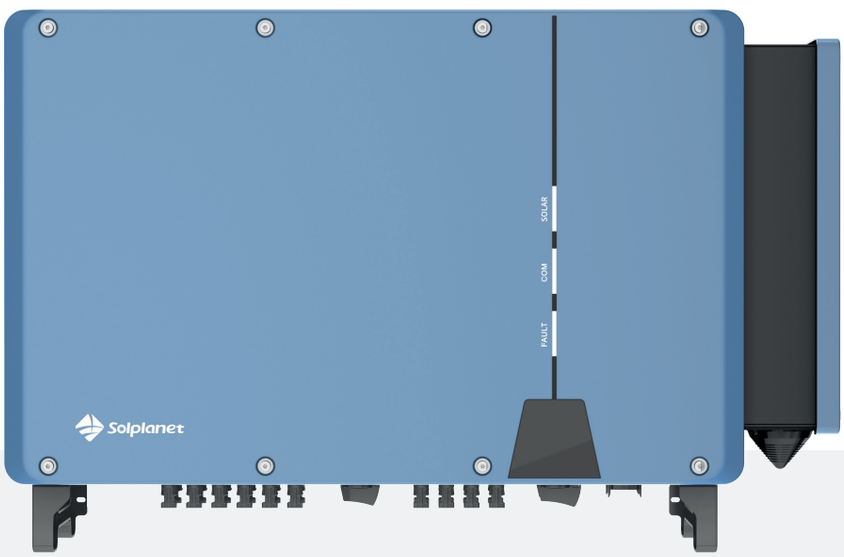
1- For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power

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

3- DRED supported with RS485 communication for Australia & New Zealand.

Three Phases Inverters 75 to 110 kW

ASW LT Series



Models:
ASW75K-LT
ASW80K-LT
ASW100K-LT
ASW110K-LT

Safe and Reliable

- TYPE II Surge Protection for DC&AC
- IP66 rated design for outdoor use
- Fuse free design

Higher Yields

- ShadeSol shadow management
- 32A input current each MPPT, ideal for bifacial and large area PV modules
- 10 MPPT´s for flexible PV array design for higher yields

User-friendly

- Support 7*24H monitoring
- Quick setup and commissioning with Solplanet Apps
- String-level Management

Technical Datasheet

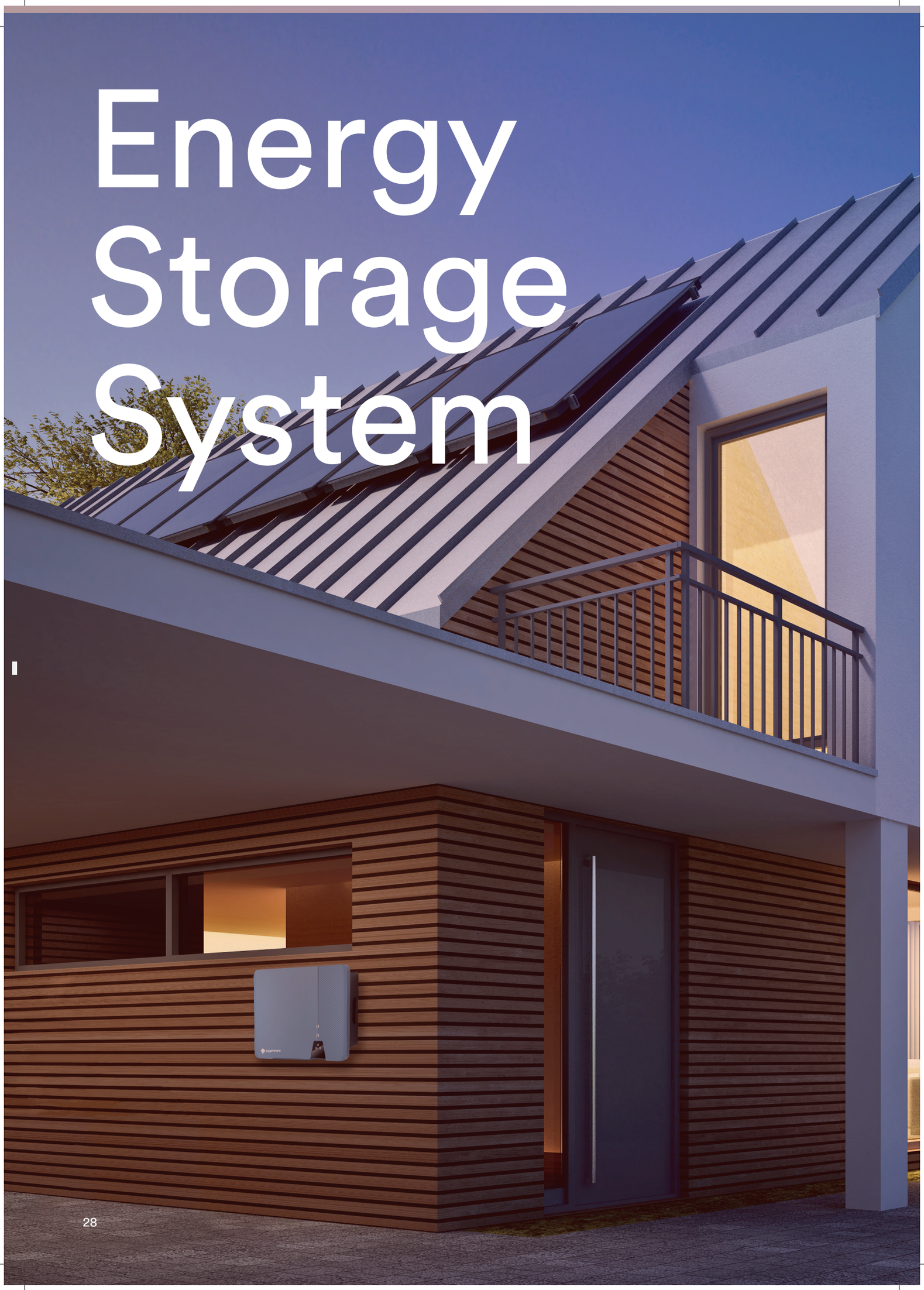
		ASW 75K-LT	ASW 80K-LT	ASW 100K-LT	ASW 110K-LT
Input (DC)	Max. PV array power	112500 Wp STC	120000 Wp STC	150000 Wp STC	165000 Wp STC
	Max. input voltage	1100 V			
	MPP voltage range / rated input voltage	200V - 1000 V / 630 V			
	Min. input voltage	200 V			
	Initial. feed-in voltage	250 V			
	Max. operating input current	32 A			
	Max. short circuit current	48 A			
	No. of independent MPPT inputs / strings per MPPT input	8/2	8/2	10/2	10/2
Output (AC)	Rated active power	75000 W	80000 W	100000 W	110000 W
	Max. apparent power	75000 VA	88000 VA [1]	110000 VA [1]	121000 VA [1]
	AC nominal voltage	220 V / 380 V 230 V / 400 V			
	AC voltage range	312 V - 528 V			
	AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz			
	AC nominal output current	114.0 A	115.8 A	144.3 A	158.8 A
	Max. output current	114.0 A	127.0 A	158.8 A	174.7 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% / 98.4%			
	DC switch	●			
	Ground fault monitoring / grid monitoring	● / ●			
	DC reverse polarity protection / AC short circuit protection	●			
	AC Overcurrent Protection	●			
	DC Surge Protection	Type II			
	AC Surge Protection	Type II			
	Residual Current Monitoring Unit	●			
	Anti-islanding Protection	●			
	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)	984/ 640 / 330 mm			
	Weight	86 kg			
	Operating temperature range	-25°C ... +60°C			
	Self-consumption (at night)	< 3 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	4000 m			
	EMC	CLASS B			
Features	DC Connector	DC Plug-in connector			
	AC Connector	OT/DT Terminal (Max.240mm2)			
	LED indicators (Status / Fault / Communication)	●			
	Communication interface (RS485 / WiFi / 4G / LAN)	● / ● / O / O			
	Modbus-Sunspec protocol	●			
	Certificates and approvals (more available on request)	CE, IEC 62109-1/2, IEC 61727, IEC 62116, IEC61683, EN50549-1/2, VDE4105			

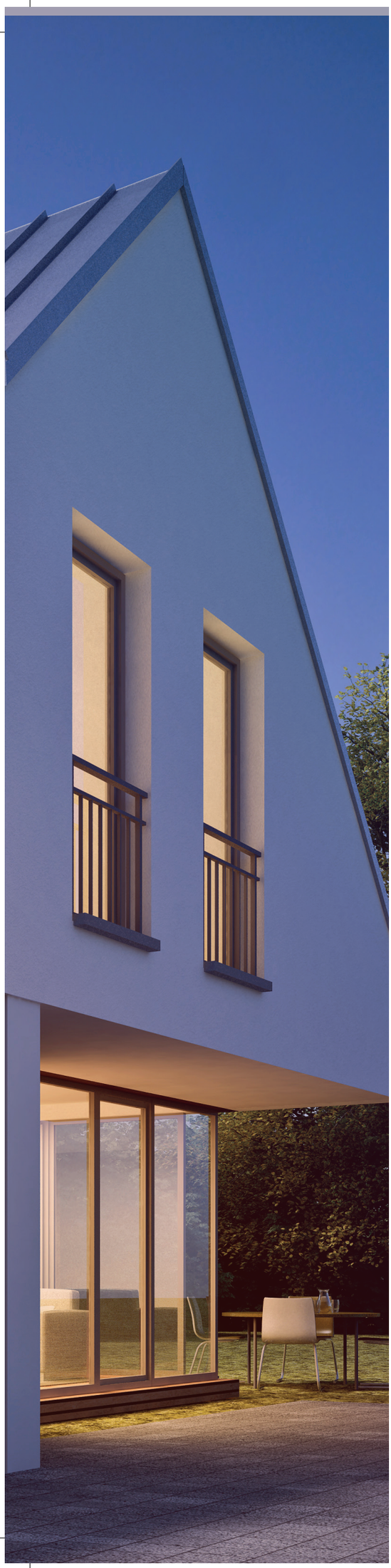
● standard features O optional

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

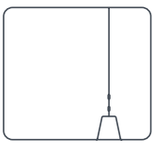
1)For AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power

Energy Storage System



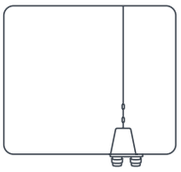


Perfect for home & small business applications



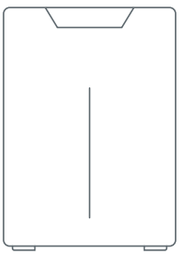
ASW H-S2 SERIES

ASW3000 / 3680 /4000 /
5000 / 6000H-S2



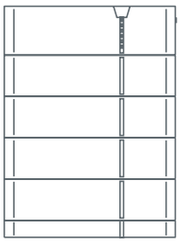
ASW H-T2/T3 SERIES

ASW05k / 06k / 08k /10k / 12kH-T2
ASW05k / 06k / 08k /10k / 12kH-T2-O
ASW08k /10k / 12kH-T3
ASW08k /10k / 12kH-T3-O



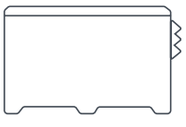
Ai-LB Pro Series

Ai-LB Pro 5K / 10K



Ai-HB G2 Series

Ai-HB 075A / 100A / 125A /
150A / 175A / 200A



ASW A-S Series

ASW0400/1250A-S 0600/1250A-S
0800/1250A-S 1000/1250A-S 0400/2500A-S
0600/2500A-S 0800/2500A-S 1000/2500A-S

Single phase hybrid inverters 3 to 6 kW

ASW H-S2 Series

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	9000 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 MPP tracker	16 A				
	Max. short-circuit current per MPP 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	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
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%				
Effi-ciency	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)	483 / 455 / 193.5 mm				
	Device weight	25.1kg				
	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,Iac 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 5 to 12 kW

ASW H-T2 Series

Models:

ASW05kH-T2	ASW05kH-T2-O
ASW06kH-T2	ASW06kH-T2-O
ASW08kH-T2	ASW08kH-T2-O
ASW10kH-T2	ASW10kH-T2-O
ASW12kH-T2	ASW12kH-T2-O

Easy-to-install

- Phoenix contact connectors for reliable tool-free DC connection
- Compact wall mount design
- Simple battery and smart meter interfaces for faster installation

Reliable

- Up to 150 % PV array oversizing for higher yields
- 100 % unbalanced three phase AC output
- ShadeSol - improved generation under non - ideal conditions
- UPS level switching time < 10 ms
- IP66 rated design for outdoor use

User-friendly

- Setup, commissioning and monitoring via the Solplanet app
- Intelligent work modes and customisable battery management for DOD / Time of Use / Power setting
- Max. 20 A input current, ideal for bifacial and large PV modules

Technical Datasheet

		ASW 05kH-T2	ASW 06kH-T2	ASW 08kH-T2	ASW 10kH-T2	ASW 12kH-T2
PV input	Max. PV array power	7500 Wp	9000 Wp	12000 Wp	15000 Wp	18000 Wp
	Max. input voltage	1100 V				
	MPP voltage range / rated input voltage	150 V to 950 V / 630 V		200 V to 950 V / 630 V		
	Min. input voltage / start voltage	60 V / 180 V				
	No. of independent MPPT trackers / strings per MPPT input	2 / 1				
	Max. input current per MPP tracker	20 A				
	Max. short-circuit current per MPP tracker	30 A				
Battery input	Battery voltage range	120 V to 600 V				
	Max. charging / discharging power	5000 W	6000 W	8000 W	10000 W	12000 W
	Max. charging current / Max. discharging current	30A				
	Battery type	LiFePO4				
AC output	AC voltage range / Nominal AC voltage	270 V to 480 V / 3/N/PE, 220 / 380 V; 230 / 400 V; 240 / 415 V				
	Rated AC grid frequency	50 Hz / 60 Hz				
	AC grid frequency range	45 ~ 55 Hz / 55 ~ 65 Hz				
	Rated apparent power	5000 VA	6000 VA	8000 VA	10000 VA	12000 VA
	Max. apparent power	5000 VA	6000 VA	8000 VA	10000 VA	12000 VA
	Rated grid output Current (@400 V)	7.3 A	8.7 A	11.6 A	14.5 A	17.4 A
	Max. grid output current (@400 V)	8.0 A	9.6 A	12.8 A	16.0 A	19.2 A
	Harmonics THDi (@Nominal power)	< 3 % (of nominal power)				
AC input	Rated grid voltage	3/N/PE, 220 / 380 V; 230 / 400 V; 240 / 415 V				
	Rated grid frequency	50 Hz / 60 Hz				
	Max. input power from grid	10000 W	12000 W	16000 W	20000 W	24000 W
	Max. input current from grid	14.5 A	17.4 A	23.2 A	29.0 A	34.8 A
EPS output	Nominal output voltage	3/N/PE, 220 / 380 V; 230 / 400 V; 240 / 415 V				
	Nominal output frequency	50 Hz / 60 Hz				
	Rated apparent power	5000 VA	6000 VA	8000 VA	10000 VA	12000 VA
	Peak output apparent power	2 times of rated power, 10 s				
	Rated Current (@400 V)	7.3 A	8.7 A	11.6 A	14.5 A	17.4 A
	Max. switch time	< 10 ms				
	Output THDv (@Linear load)	2 %				
Effi-ciency	MPPT efficiency	99.9 %				
	Euro efficiency / Max. efficiency	97.2 % / 98.0 %	97.5 % / 98.2 %	97.9 % / 98.4 %		
Safety protection	DC surge protection (Type II, according to EN/IEC 61643-11)	●				
	Insulation resistance detection	●				
	PV string input reverse polarity protection	●				
	Battery input reverse polarity protection	●				
	Ground fault monitoring	●				
	Residual current monitoring unit	●				
	AC short circuit protection	●				
	Anti-islanding protection	●				
General data	Power factor at rated power / adjustable displacement	1 / 0.8 leading to 0.8 lagging				
	Dimensions (W / H / D)	545 mm / 465 mm / 205 mm				
	Weight	24.5 kg				
	Operating temperature range	-25 °C ... +60 °C				
	Cooling concept	Natural convection				
	Degree of protection (as per IEC 60529)	IP66				
	Max. relative humidity	100 %				
	Max. operating altitude	4000 m				
Features	User interface	LED & App				
	BMS interface	CAN				
	Smart meter interface	RS485				
	Internet communication interfaces	Wifi / LAN				
	Digital output (dry contact) / No. of outputs	● / 2				
	Digital input (dry contact) / No. of inputs	● / 4				
	Integrated power control / export power control	● / ●				

● standard features ○ optional features - not available

Technical Datasheet

		ASW 05kH-T2-O	ASW 06kH-T2-O	ASW 08kH-T2-O	ASW 10kH-T2-O	ASW 12kH-T2-O
PV input	Max. PV array power	7500 Wp	9000 Wp	12000 Wp	15000 Wp	18000 Wp
	Max. input voltage	1100 V				
	MPP voltage range / rated input voltage	150 V to 950 V / 630 V		200 V to 950 V / 630 V		
	Min. input voltage / start voltage	60 V / 180 V				
	No. of independent MPPT trackers / strings per MPPT input	2 / 1				
	Max. input current per MPP tracker	20 A				
	Max. short-circuit current per MPP tracker	30 A				
Battery input	Battery voltage range	120 V to 600 V				
	Max. charging / discharging power	5000 W	6000 W	8000 W	10000 W	12000 W
	Max. charging current / Max. discharging current	30 A				
	Battery type	LiFePO4				
AC output	AC voltage range / Nominal AC voltage	270 V to 480 V / 3/N/PE,220 / 380 V;230 / 400 V;240 / 415 V				
	Rated AC grid frequency	50 Hz / 60 Hz				
	AC grid frequency range	45~55 Hz / 55~65 Hz				
	Rated apparent power	5000 VA	6000 VA	8000 VA	10000 VA	12000 VA
	Max. apparent power	5000 VA	6000 VA	8000 VA	10000 VA	12000 VA
	Rated grid output Current (@400 V)	7.3 A	8.7 A	11.6 A	14.5 A	17.4 A
	Max. grid output current(@400 V)	8.0 A	9.6 A	12.8 A	16.0 A	19.2 A
	Harmonics THDi (@ Nominal power)	< 3 % (of nominal power)				
AC input	Rated grid voltage	3/N/PE, 220 / 380 V; 230 / 400 V; 240 /415 V				
	Rated grid frequency	50 Hz / 60 Hz				
	Max. input power from grid	5000 W	6000 W	8000 W	10000 W	12000 W
	Max. input current from grid	7.3 A	8.7 A	11.6 A	14.5 A	17.4 A
Effi-ciency	MPPT efficiency	99.9 %				
	Euro efficiency / Max. efficiency	97.2 % / 98.0 %	97.5 % / 98.2 %	97.9 % / 98.4 %		
Safety protection	DC surge protection(Type II, according to EN/IEC 61643-11)	●				
	Insulation resistance detection	●				
	PV string input reverse polarity protection	●				
	Battery input reverse polarity protection	●				
	Ground fault monitoring	●				
	Residual current monitoring unit	●				
	AC short circuit protection	●				
	Anti-islanding protection	●				
General data	Power factor at rated power / adjustable displacement	1 / 0.8 leading to 0.8 lagging				
	Dimensions (W / H / D)	545 mm / 465 mm / 205 mm				
	Weight	24.5 kg				
	Operating temperature range	-25 °C ... +60 °C				
	Cooling concept	Natural convection				
	Degree of protection (as per IEC 60529)	IP66				
	Max. relative humidity	100 %				
	Max. operating altitude	4000 m				
Features	User interface	LED & App				
	BMS interface	CAN				
	Smart meter interface	RS485				
	Internet communication interfaces	Wifi / LAN				
	Digital output (dry contact) / No. of outputs	● / 2				
	Digital input (dry contact) / No. of inputs	● / 4				
	Integrated power control / export power control	● / ●				

● standard features ○ optional features - not available

Three phase hybrid inverters 8 to 12 kW

ASW H-T3 Series

Models:

ASW08kH-T3	ASW08kH-T3-O
ASW10kH-T3	ASW10kH-T3-O
ASW12kH-T3	ASW12kH-T3-O

Easy-to-install

- Phoenix Contact connectors for reliable tool-free DC connection
- Compact wall mount design
- Simple battery and smart meter interfaces for faster installation

Reliable

- Up to 150 % PV array oversizing for higher yields
- 100% unbalanced three phase AC output
- ShadeSol - improved generation under non - ideal conditions
- UPS level switching time < 10 ms
- IP66 rated design for outdoor use

User-friendly

- 3 independent MPPT's for flexible and higher kWp PV array design
- Setup, commissioning and monitoring via the Solplanet app
- Intelligent work modes and customisable battery management for DOD / Time of Use / Power setting
- Max. 16 A input current, ideal for bifacial and large PV modules

Technical Datasheet

		ASW08kH-T3	ASW10kH-T3	ASW12kH-T3
PV input	Max. PV array power	12000 Wp	15000 Wp	18000 Wp
	Max. input voltage	1100 V		
	MPP voltage range / rated input voltage	200 V to 950 V / 630 V		
	Min. input voltage / start voltage	60 V / 180 V		
	No. of independent MPPT trackers / strings per MPPT input	3 / 1		
	Max. input current per MPP tracker	16 A		
	Max. short-circuit current per MPP tracker	24 A		
Battery input	Battery voltage range	120 V to 600 V		
	Max. charging / discharging power	8000 W	10000 W	12000 W
	Max. charging current / Max. discharging current	30 A		
	Battery type	LiFePO4		
AC output	AC voltage range / Nominal AC voltage	270 V to 480 V / 3/N/PE, 220 / 380 V; 230 / 400 V; 240 / 415 V		
	Rated AC grid frequency	50 Hz / 60 Hz		
	AC grid frequency range	45 ~ 55 Hz / 55 ~ 65 Hz		
	Rated apparent power	8000 VA	10000 VA	12000 VA
	Max. apparent power	8000 VA	10000 VA	12000 VA
	Rated grid output Current (@400 V)	11.6 A	14.5 A	17.4 A
	Max. grid output current(@400 V)	12.8 A	16.0 A	19.2 A
	Harmonics THDi (@ Nominal power)	< 3 % (of nominal power)		
AC input	Rated grid voltage	3/N/PE, 220 / 380 V; 230 / 400 V; 240 / 415 V		
	Rated grid frequency	50 Hz / 60 Hz		
	Max. input power from grid	16000 W	20000 W	24000 W
	Max. input current from grid	23.2 A	29.0 A	34.8 A
EPS output	Nominal output voltage	3/N/PE,220 / 380 V;230 / 400 V;240 /415 V		
	Nominal output frequency	50 Hz / 60 Hz		
	Rated apparent power	8000 VA	10000 VA	12000 VA
	Peak output apparent power	2 times of rated power, 10 s		
	Rated Current (@400 V)	11.6 A	14.5 A	17.4 A
	Max. switch time	< 10 ms		
	Output THDv (@ Linear load)	2 %		
Effi-ciency	MPPT efficiency	99.9 %		
	Euro efficiency / Max. efficiency	97.2 % / 98.0 %	97.9 % / 98.4 %	
Safety protection	DC surge protection(Type II, according to EN/IEC 61643-11)	●		
	Insulation resistance detection	●		
	PV string input reverse polarity protection	●		
	Battery input reverse polarity protection	●		
	Ground fault monitoring	●		
	Residual current monitoring unit	●		
	AC short circuit protection	●		
	Anti-islanding protection	●		
General data	Power factor at rated power / adjustable displacement	1 / 0.8 leading to 0.8 lagging		
	Dimensions (W / H / D)	545 mm / 465 mm / 205 mm		
	Weight	26 kg		
	Operating temperature range	-25 °C ... +60 °C		
	Cooling concept	Natural convection		
	Degree of protection (as per IEC 60529)	IP66		
	Max. relative humidity	100 %		
	Max. operating altitude	4000 m		
Features	User interface	LED & App		
	BMS interface	CAN		
	Smart meter interface	RS485		
	Internet communication interfaces	Wifi / LAN		
	Digital output (dry contact) / No. of outputs	● / 2		
	Digital input (dry contact) / No. of inputs	● / 4		
	Integrated power control / export power control	● / ●		

● standard features ○ optional features - not available

Technical Datasheet		ASW08kH-T3-O	ASW10kH-T3-O	ASW12kH-T3-O
PV input	Max. PV array power	12000 Wp	15000 Wp	18000 Wp
	Max. input voltage	1100 V		
	MPP voltage range / rated input voltage	200 V to 950 V / 630 V		
	Min. input voltage / start voltage	60 V / 180 V		
	No. of independent MPPT trackers / strings per MPPT input	3 / 1		
	Max. input current per MPP tracker	16 A		
	Max. short-circuit current per MPP tracker	24 A		
Battery input	Battery voltage range	120 V to 600 V		
	Max. charging / discharging power	8000 W	10000 W	12000 W
	Max. charging current / Max. discharging current	30 A		
	Battery type	LiFePO4		
AC output	AC voltage range / nominal AC voltage	270 V to 480 V / 3/N/PE, 220 / 380 V; 230 / 400 V; 240 / 415 V		
	Rated AC grid frequency	50 Hz / 60 Hz		
	AC grid frequency range	45 ~ 55 Hz / 55 ~ 65 Hz		
	Rated apparent power	8000 VA	10000 VA	12000 VA
	Max. apparent power	8000 VA	10000 VA	12000 VA
	Rated grid output current (@400 V)	11.6 A	14.5 A	17.4 A
	Max. grid output current (@400 V)	12.8 A	16.0 A	19.2 A
	Harmonics THDi (@Nominal power)	< 3 % (of nominal power)		
AC input	Rated grid voltage	3/N/PE, 220 / 380 V; 230 / 400 V; 240 / 415 V		
	Rated grid frequency	50 Hz / 60 Hz		
	Max. input power from grid	8000 W	10000 W	12000 W
	Max. input current from grid	11.6 A	14.5 A	17.4 A
Effi-ciency	MPPT efficiency	99.9 %		
	Euro efficiency / Max. efficiency	97.2 % / 98.0 %	97.9 % / 98.4 %	
Safety protection	DC surge protection(Type II, according to EN/IEC 61643-11)	●		
	Insulation resistance detection	●		
	PV string input reverse polarity protection	●		
	Battery input reverse polarity protection	●		
	Ground fault monitoring	●		
	Residual current monitoring unit	●		
	AC short circuit protection	●		
	Anti-islanding protection	●		
General data	Power factor at rated power / adjustable displacement	1 / 0.8 leading to 0.8 lagging		
	Dimensions (W / H / D)	545 mm / 465 mm / 205 mm		
	Weight	26 kg		
	Operating temperature range	-25 °C ... +60 °C		
	Cooling concept	Natural convection		
	Degree of protection (as per IEC 60529)	IP66		
	Max. relative humidity	100 %		
	Max. operating altitude	4000 m		
Features	User interface	LED & App		
	BMS interface	CAN		
	Smart meter interface	RS485		
	Internet communication interfaces	Wifi / LAN		
	Digital output (dry contact) / No. of outputs	● / 2		
	Digital input (dry contact) / No. of inputs	● / 4		
	Integrated power control / export power control	● / ●		

● standard features ○ optional features - not available

Low Voltage Battery 5 to 10 kWh

Ai-LB Pro Series

Models:
Ai-LB Pro 5K
Ai-LB Pro 10K

Efficient and Smart

- Max. discharging rate up to 1C
- Expandable up to 160 kWh (32 units in parallel)
- Automatic identification of parallel master and slave machines
- Online monitoring via Solplanet apps

Safe and Reliable

- LFP safe technology
- All-round BMS protection
- High quality cell inside
- IP65 rated design for outdoor use

Widely Applicable

- Charging at low temperature -5°C
- Multi-use applications: self-consumption, peak shaving, time of use tariffs

User-friendly

- Elegant design with hidden cable connection
- Compact and light-weight design
- Floor/wall mounted, stackable (5k only) design, easy to install with basic tools

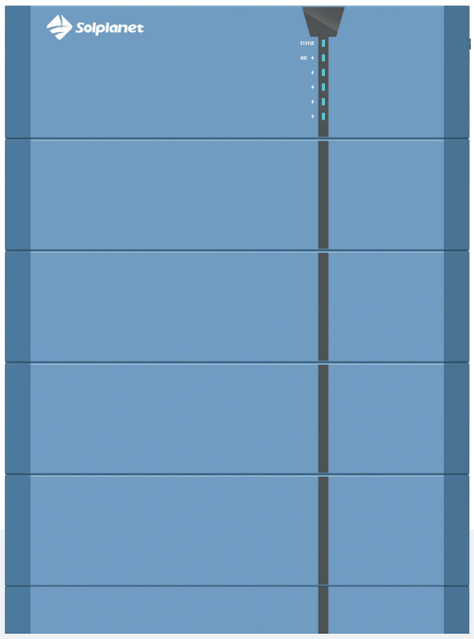
Technical Datasheet

		Ai-LB Pro 5K	Ai-LB Pro 10K
System Data	Cell type	LiFePO4	
	Nominal energy	5.12 kWh	10.24 kWh
	Nominal battery voltage	51.2 V	
	Battery voltage range	44.8 V~58.4 V	
	Max. charging / discharging current	0.6 C, 60 A / 1 C, 100 A	0.6 C, 120 A
	Max. charging / discharging power	3.07 kW / 5.12 kW	6.14 kW
General Data	Dimensions (W/D/H)	460*165*652 mm	550*165*867 mm
	Weight	50 kg	94 kg
	Installation location	Indoor / Outdoor	
	Mounting method	Floor mounted / Wall mounted	
	Operating temperature range	Charging: -5°C ~ 55°C Discharge: -15°C ~ 55°C	
	Storage temperature range	-15°C ~ 55°C	
	Cooling concept	Natural convection	
	Degree of protection	IP65	
	Relative humidity	<95% RH, non-condensing	
	Max. operating altitude	3000m	
	Scalability	Max. 32 sets in parallel	Max. 16 sets in parallel
	Communication	CAN / RS485 / Dry Contact / WiFi	
	Country of manufacture	China	
	Certification	TUV / IEC 62619 / IEC 62040 / IEC 61000 / UN38.3	
	Life cycle[1]	6000 times	

[1] Life Cycle is defined under the following conditions:25°C/0.5C/80%DOD/80%SOH/1 cycle per day

High Voltage Battery 7.5 to 20 kWh

Ai-HB G2 Series



Models:

Ai-HB 075A	Ai-HB 150A
Ai-HB 100A	Ai-HB 175A
Ai-HB 125A	Ai-HB 200A

Safety

- Modular design with plug-in connections
- Quick connections between battery and inverter
- Quick & easy-to-install with basic tools
- Steady and anti-dumping design

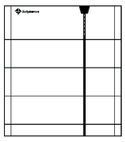
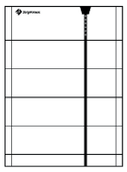
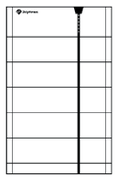
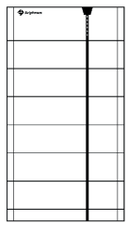
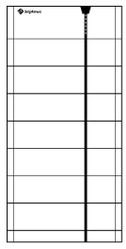
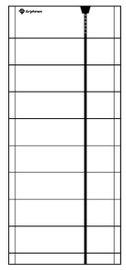
Reliable

- IP65 rated design
- Cell-level monitoring
- LFP safe technology
- All-round BMS protection

User-friendly

- Stackable and Expandable up to 81.92 kWh (supporting 8 modules per unit, 4 units in parallel)
- Multi-use applications: self-consumption, peak shaving, time of use tariffs
- Online monitoring via Solplanet apps

Technical Datasheet

		Ai-HB 075A	Ai-HB 100A	Ai-HB 125A	Ai-HB 150A	Ai-HB 175A	Ai-HB 200A
System Data	Battery designation						
	Battery module	HB051050A					
	Cell type	LiFePO4					
	Module quantity	3	4	5	6	7	8
	Nominal energy[1]	7.68 kWh	10.24 kWh	12.8 kWh	15.36 kWh	17.92 kWh	20.48 kWh
	Usable energy[2]	6.91 kWh	9.21 kWh	11.52 kWh	13.82 kWh	16.12 kWh	18.43 kWh
	Nominal voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
	Operating voltage	120 V ~ 175.2 V	160 V ~ 233.6 V	200 V ~ 292 V	240 V ~ 350.4 V	280 V ~ 408.8 V	320 V ~ 467.2 V
	Nominal charging / discharging current	25 A					
	Max. charging / discharging current	30 A					
General Data	Dimensions (W / D / H)	540*390*600 mm	540*390*730 mm	540*390*860 mm	540*390*990 mm	540*390*1120 mm	540*390*1250 mm
	Weight	106.5 kg	137 kg	167.5 kg	198 kg	228.5 kg	259 kg
	Battery module weight	30.5 kg					
	Installation location	Indoor / Outdoor					
	Mounting method	Floor mounted					
	Operating temperature range	Charge: 0 ~ 50 °C Discharge: -20 °C ~ 50 °C					
	Storage temperature range	-20 °C ~ 45 °C					
	Cooling concept	Natural convection					
	Degree of protection	IP65					
	Relative humidity	5 ~ 95 %, non - condensing					
	Communication	CAN					
	Certification	IEC 62619 / EN 61000 IEC 62040 / UN38.3					
	Life cycle[3]	6000 times					

1. Nominal energy is defined under the following conditions: cell voltage 2.5~3.65V□0.5C charge & discharge at +25□.
2. Usable energy is defined under the following conditions: 90% DOD, 0.5C charge & discharge at +25□. Usable energy may vary depending on discharge, charge, environmental conditions and SOC % limits defined by the user.
3. Life cycle is defined under the following conditions: 80 % DOD, 0.2C charge & discharge at +25□.

High Voltage Battery 7.5 to 20 kWh

ASW A-S Series

Models:

ASW0400/1250A-S	ASW0400/2500A-S
ASW0600/1250A-S	ASW0600/2500A-S
ASW0800/1250A-S	ASW0800/2500A-S
ASW1000/1250A-S	ASW1000/2500A-S

Easy-to-install

- Easy to install for everybody
- Power into any single-phase socket
- Power from all same-phase sockets

Safe & Reliable

- Safe & Reliable low voltage system
- 5 years warranty + option for more years
- All-around protection with Battery Management System (BMS)

User-friendly

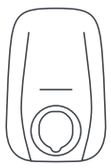
- User-friendly LCD display for settings & status
- Mobile App for remote setting & monitoring
- Low working temperature down to -15°C

Technical Datasheet

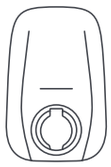
		ASW0400/ 1250A-S	ASW0600/ 1250A-S	ASW0800/ 1250A-S	ASW1000/ 1250A-S	ASW0400/ 2500A-S	ASW0600/ 2500A-S	ASW0800/ 2500A-S	ASW01000/ 2500A-S
PV input	Max. PV array power	800 Wp	1600 Wp	1600 Wp	1600 Wp	800 Wp	1600 Wp	1600 Wp	1600 Wp
	Max. input voltage	50 V							
	MPP voltage range / rated input voltage	16 V to 50 V / 40 V							
	Min. input voltage / start voltage	26 V / 30 V							
	No. of independent MPPT trackers / strings per MPPT input	1 / 2	2 / 2	2 / 2	2 / 2	1 / 2	2 / 2	2 / 2	2 / 2
	Max. input current per MPP tracker	26 A							
	Max. short-circuit current per MPP tracker	39 A							
Battery input	Rated battery energy	1.3 kWh				2.4 kWh			
	Rated capacity	27 Ah				50 Ah			
	Battery type	LiFePO4							
AC output	Nominal AC voltage	220V / 230V / 240V							
	AC voltage range	154 V - 276 V							
	Rated AC grid frequency	50 Hz / 60 Hz							
	AC grid frequency range	45~55 Hz / 55~65 Hz							
	Rated apparent power	400 VA	600 VA	800 VA	1000 VA	400 VA	600 VA	800 VA	1000 VA
	Max. apparent power	400 VA	600 VA	800 VA	1000 VA	400 VA	600 VA	800 VA	1000 VA
	Rated grid output Current (@230 V)	1.8 A	2.6 A	3.5 A	4.4 A	1.8 A	2.6 A	3.5 A	4.4 A
	Max. grid output current(@230 V)	1.8 A	2.6 A	3.5 A	4.4 A	1.8 A	2.6 A	3.5 A	4.4 A
	Harmonics THDi (@ Nominal power)	< 3 % (of nominal power)							
AC input	Rated grid voltage	220V / 230V / 240V							
	Rated grid frequency	50 Hz / 60 Hz							
	Max. input power from grid	1000 W							
	Max. input current from grid	4.4 A							
Efficiency	MPPT efficiency	99.9 %							
	Max. battery to load efficiency	92.0 %							
General data	Power factor at rated power / adjustable range	1 / 0.8 leading to 0.8 lagging							
	Topology	Isolated							
	Dimensions (W / H / D)	600 / 385 / 282 mm							
	Weight	24 kg				36 kg			
	Operating temperature range	-15 °C ... +45 °C							
	Cooling concept	Fan Cooling							
	Degree of protection (as per IEC 60529)	IP54							
	Max. relative humidity	95 %							
	Max. operating altitude	3000 m							
Features	User interface	LCD & App							
	Zero-export interface	CT							
	Internet communication interfaces	Wifi							
Certificates	Grid	VDE 4105							
	Safety	IEC/EN 62109-1, IEC/EN 62109-2							
	EMC	IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3							
	Battery	IEC62619, UN 38.3							

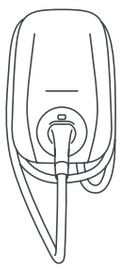
EV Chargers

Smart solutions for a greener future



SOL APOLLO SERIES
SOL7.4H
SOL11H
SOL22H





AC EV Charger

SOL APOLLO Series

Series:
SOL7.4H
SOL11H
SOL22H

Technical Datasheet

7.4 kW Single Phase

		Cable Version	Socket Version
Input & Output	Rated Voltage	230 V ac	
	Rated Frequency	50 Hz / 60 Hz	
	Max. Output Power	7.4 kW	
	Max. Output Current	32 A	
	Standby Power Consumption	< 5 W	
	Residual Current Detection	Type A: AC 30 mA / DC 6 mA	
	Connector Type (IEC62196-2)	Type 2	Type 2 socket[1,2]
	Cable Length	5 m / 7.5 m	–
User Interface & Control	Network Interface	WIFI & Bluetooth-compatible & RS485 & LAN[3]	
	RFID/NFC Reader	●	
	Status Indication	LED Light strip	
	Built-in 4G	O	
	Smart APP	●	
	Communication Protocol	OCPP1.6J[4]	
Working Environment	Protection	IP65 (Enclosure)	
	Operating Temperature	-25°C to 50°C	
	Storage Temperature	-40°C to 70°C	
	Relative Humidity	Non-condensing	
	Altitude	Up to 2000 m	
	Cooling Concept	Natural Convection	
Mechanical	Impact Protection Class	IK10	
	UV Resistant	●	
	Mounting	Wall	
	Dimensions (W/H/D)	230 / 360 / 130 mm	
	Weight	5.1 kg	2.6 kg
	Colour	● Morandi Blue / ● Black	
	Cable Holder	●	–
Safety	DC Leakage Protection	●	
	Over Temperature Protection	●	
	Ground Protection	●	
	Surge Protection (EN60664)	● (Type III)	
	Certification	CE, TUV / EN/IEC 61851-1	

● Standard features / O optional features / – not available
1) Self-closing cover and built in electronic lock is standard / 2) Shutter for cover is optional / 3) LAN is optional
4) OCPP 1.6J will be available in 2022/10
Optional energy meter for solar charging function and dynamic load balancing
Version: July 2022

Technical Datasheet

11 kW Three Phase

		Cable Version	Socket Version
Input & Output	Rated Voltage	400 V ac	
	Rated Frequency	50 Hz / 60 Hz	
	Max. Output Power	11 kW	
	Max. Output Current	16 A	
	Standby Power Consumption	< 5 W	
	Residual Current Detection	Type A: AC 30 mA / DC 6 mA	
	Connector Type (IEC62196-2)	Type 2	Type 2 socket[1,2]
	Cable Length	5 m / 7.5 m	–
User Interface & Control	Network Interface	WIFI & Bluetooth-compatible & RS485 & LAN[3]	
	RFID/NFC Reader	●	
	Status Indication	LED Light strip	
	Built-in 4G	O	
	Smart APP	●	
	Communication Protocol	OCPP1.6J[4]	
Working Environment	Protection	IP65 (Enclosure)	
	Operating Temperature	-25°C to 50°C	
	Storage Temperature	-40°C to 70°C	
	Relative Humidity	Non-condensing	
	Altitude	Up to 2000 m	
	Cooling Concept	Natural Convection	
Mechanical	Impact Protection Class	IK10	
	UV Resistant	●	
	Mounting	Wall	
	Dimensions (W/H/D)	230 / 360 / 130 mm	
	Weight	5.1 kg	2.6 kg
	Colour	● Morandi Blue / ● Black	
	Cable Holder	●	–
Safety	DC Leakage Protection	●	
	Over Temperature Protection	●	
	Ground Protection	●	
	Surge Protection (EN60664)	● (Type III)	
	Certification	CE, TUV / EN/IEC 61851-1	

● Standard features / O optional features / – not available
1) Self-closing cover and built in electronic lock is standard / 2) Shutter for cover is optional / 3) LAN is optional
4) OCPP 1.6J will be available in 2022/10
Optional energy meter for solar charging function and dynamic load balancing
Version: July 2022

Technical Datasheet

22 kW Three Phase

		Cable Version	Socket Version
Input & Output	Rated Voltage	400 V ac	
	Rated Frequency	50 Hz / 60 Hz	
	Max. Output Power	22 kW	
	Max. Output Current	32 A	
	Standby Power Consumption	< 5 W	
	Residual Current Detection	Type A: AC 30 mA / DC 6 mA	
	Connector Type (IEC62196-2)	Type 2	Type 2 socket[1,2]
	Cable Length	5 m / 7.5 m	–
User Interface & Control	Network Interface	WIFI & Bluetooth-compatible & RS485 & LAN[3]	
	RFID/NFC Reader	●	
	Status Indication	LED Light strip	
	Built-in 4G	O	
	Smart APP	●	
	Communication Protocol	OCPP1.6J[4]	
Working Environment	Protection	IP65 (Enclosure)	
	Operating Temperature	-25°C to 50°C	
	Storage Temperature	-40°C to 70°C	
	Relative Humidity	Non-condensing	
	Altitude	Up to 2000 m	
	Cooling Concept	Natural Convection	
Mechanical	Impact Protection Class	IK10	
	UV Resistant	●	
	Mounting	Wall	
	Dimensions (W/H/D)	230 / 360 / 130 mm	
	Weight	5.1 kg	2.6 kg
	Colour	● Morandi Blue / ● Black	
	Cable holder	●	–
Safety	DC Leakage Protection	●	
	Over Temperature Protection	●	
	Ground Protection	●	
	Surge Protection (EN60664)	● (Type III)	
	Certification	CE, TUV / EN/IEC 61851-1	

● Standard features / O optional features / – not available
1) Self-closing cover and built in electronic lock is standard / 2) Shutter for cover is optional / 3) LAN is optional
4) OCPP 1.6J will be available in 2022/10
Optional energy meter for solar charging function and dynamic load balancing
Version: July 2022

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
Ai-Dongle LAN/WLAN
Ai-Dongle 4G
Ai-Logger

Smart cloud-based monitoring system

Cloud Based Monitoring

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:

Download on the App Store

Get it on Google Play

Wi-Fi Stick

Ai-Dongle LAN/WLAN

The Ai-Dongle LAN/WLAN/ Wi-Fi Stick allow Solplanet inverters to connect to the Solplanet Cloud and App. The inverter and meter data is collected and sent to the Solplanet Cloud via the internet to allow for easy PV plant monitoring.

Smart

- Smart zero export control design

Simple

- Easy to install on site

Reliable

- Adapt to various application scenarios

Technical Datasheet

			Wi-Fi Stick	ASW-WLAN-G1
Device Management	Max. Number of Manageable Devices		5	10
Communication Interface	North Communication	LAN	/	LAN 10 / 100 Mbps
		WLAN	2.4GHz 802.11 b/g/n	
	South Communication		RS 485 (USB Type A)	
Interac-tion	LED		LED Indicator x 2	
	APP		Solplanet APP	
Environment	Operating Temperature Range		-40°C ~ 60°C (-40°F ~ 140°F)	
	Storage Temperature		-40°C ~ 70°C (-40°F ~ 158°F)	
	Relative Humidity (Non-condensing)		5% ~ 95%	
	Max. Operating Altitude		3,000m(9, 842 ft.)	4,000 m (13,123 ft.)
Elec-trical	DC Power Supply		7 ~ 9V	5 ~ 12V
	Power Consumption		Typical 2 W, Max. 5 W	
Mechanical	Dimensions (W x H x D)		51mm*112mm*27mm	50mm*34mm*170mm
	Weight		62g	100g
	Protection Degree		IP65	IP66
	Certificate		CE	

Ai-Dongle 4G

The Ai-Dongle 4G allows Solplanet inverters to connect to the Solplanet Cloud and App. The inverter and meter data is collected and sent to the Solplanet Cloud via the internet to allow for easy PV plant monitoring.

Smart

- 4G communication

Simple

- Plug and play design, easy-to-install

Reliable

- IP66

Technical Datasheet

		ASW-4G-G1
Device Management	Max. Number of Manageable Devices	5
Communication Interface	Sim card type	Micro SIM (12×15mm)
	Supported standards & frequencies	LTE-FDD:B1/B3/B5/B7/B8/B20/B28 LTE-TDD:B38/B40/B41 GSM:GSM850/EGSMB900/DCS1800/PCS1900
	Wi-Fi Operation Mode	AP
	Supported standards & frequencies	802.11b/g/n (2.412G ~ 2.484G)
	South Communication	RS 485 (USB Type A)
Inter-action	LED	LED Indicator x 2
	APP	Solplanet APP
Environment	Operating Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)
	Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
	Relative Humidity (Non-condensing)	5% ~ 95%
	Max. Operating Altitude	4,000 m (13,123 ft.)
Elec-trical	DC Power Supply	5 ~ 12V
	Power Consumption	Typical 6.5 W, Max. 10 W
Mechanical	Dimensions (W x H x D)	50mm*34mm*154mm
	Weight	100g
	Protection Degree	IP66

Ai-Logger 1000 data logger

Ai-Logger

Ai-Logger 1000 data logger allows Solplanet inverters to connect to the Solplanet Cloud. The inverter and meter data is collected and sent to the Solplanet Cloud via the internet to allow for easy PV plant monitoring.

Smart

- Smart zero export control design

Simple

- Easy to install on site

Reliable

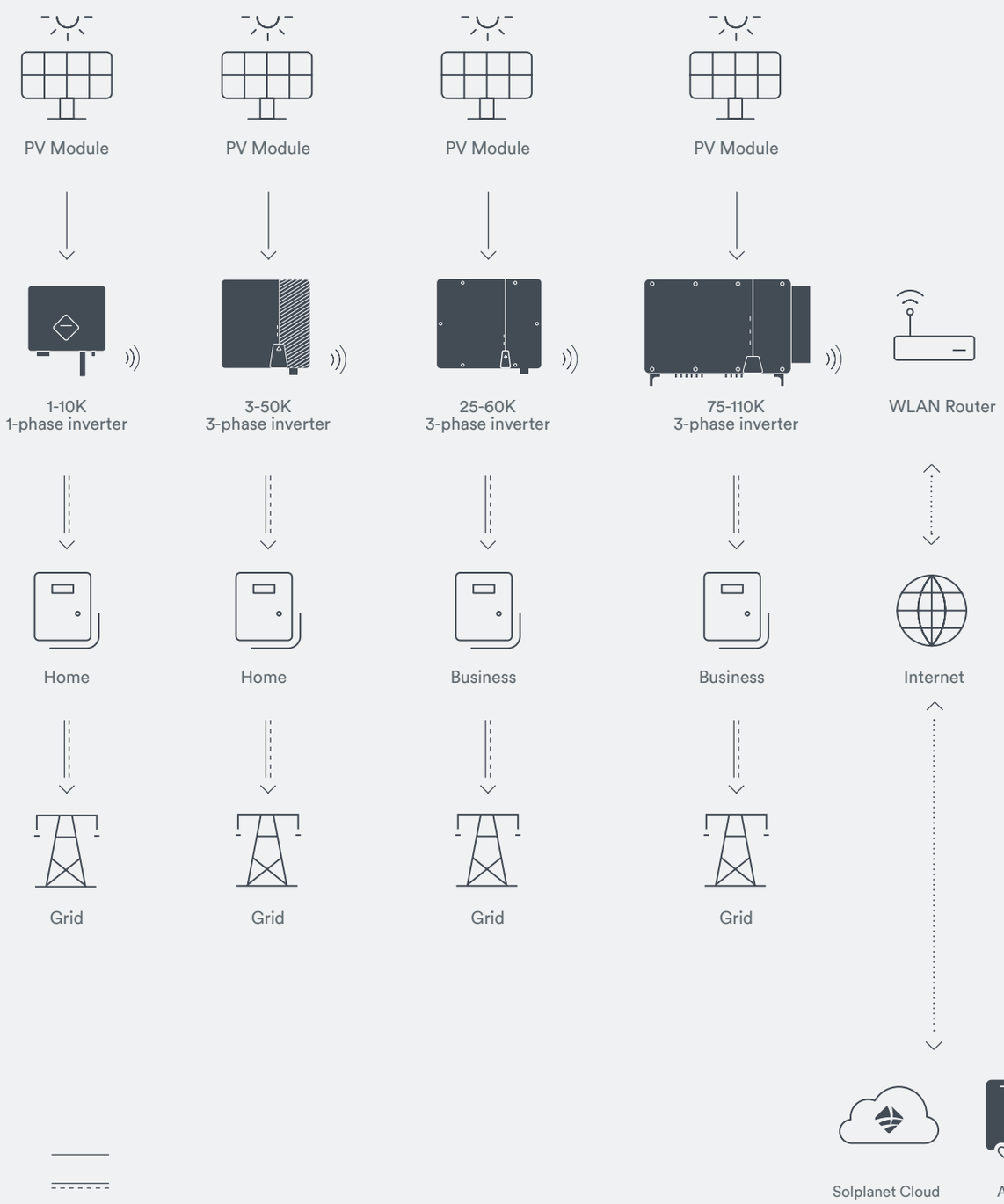
- Adapt to various application scenarios

Technical Datasheet

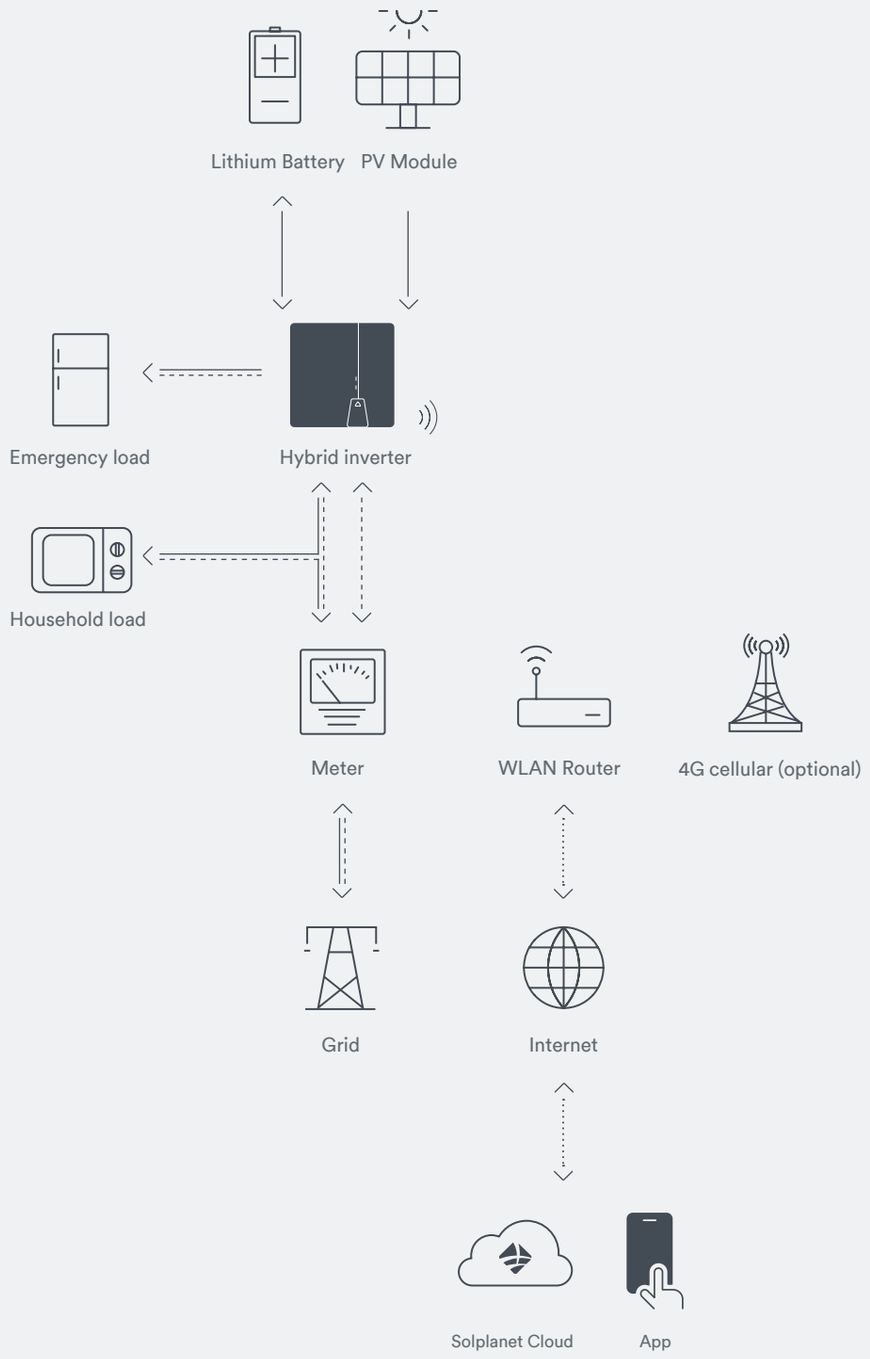
			Ai-Logger 1000
Device Management	Max. Number of Manageable Devices*		80
Communication Interface	North Communication	WLAN	WLAN x 1, 2.4 GHz
		LAN	LAN x 1, 10 / 100 / 1000 Mbps
	South Communication	RS485	COM x 3, 1000 m
		Ethernet	1
	Others	Digital / Analog Input / Output	DI x 4, DO x 2
Interaction	LED		LED Indicator x 4 – COM 1~3, North communication
	WEB		Embedded Web
	USB		USB 2.0 x 1
	RST		1
Environment	Operating Temperature Range		-40°C ~ 60°C (-40°F ~ 140°F)
	Storage Temperature		-40°C ~ 70°C (-40°F ~ 158°F)
	Relative Humidity (Non-condensing)		5% ~ 95%
	Max. Operating Altitude		4,000 m (13,123 ft.)
Electrical	DC Power Supply		12 V ~ 24 V / 2 A
	Power Consumption		Typical 8 W, Max. 15 W
Mechanical	Dimensions (W x H x D)		240 mm × 126 mm × 42 xmm
	Weight		453 g
	Protection Degree		IP20
	Installation Options		Wall Mounting, DIN Rail Mounting, Tabletop Mounting

* Each 485 interface can connect up to 30 inverters or 1 smart meter.

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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