



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 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 Zerversolar 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

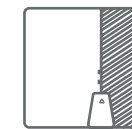
- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Award winning inverter design



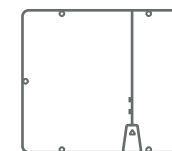
Our product range:

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

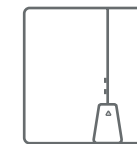
Single Phase Inverters
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Three Phase Inverters
Page 18



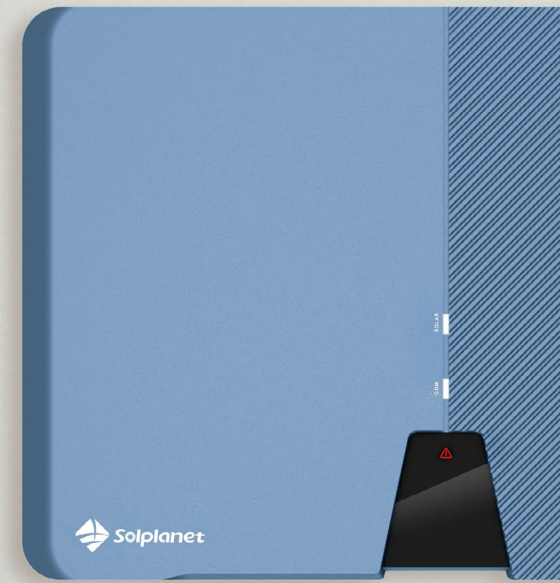
Hybrid Inverters
Page 34



Connect & Monitor
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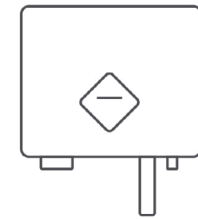
Single phase inverters



Perfect for home
& small business
applications

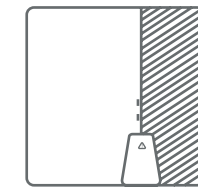
ASW S-S SERIES

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



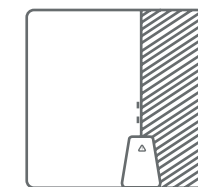
ASW S SERIES

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



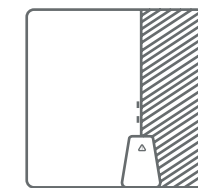
ASW S SERIES

ASW6000-S
ASW8000-S
ASW10000-S



ASW S-G2 SERIES

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



ASW S Series



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



Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

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

● Standard features / ○ optional features / – not available

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

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

ASW S Series



Models:
ASW3000-S
ASW3680-S
ASW4000-S
ASW5000-S



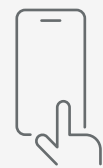
Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

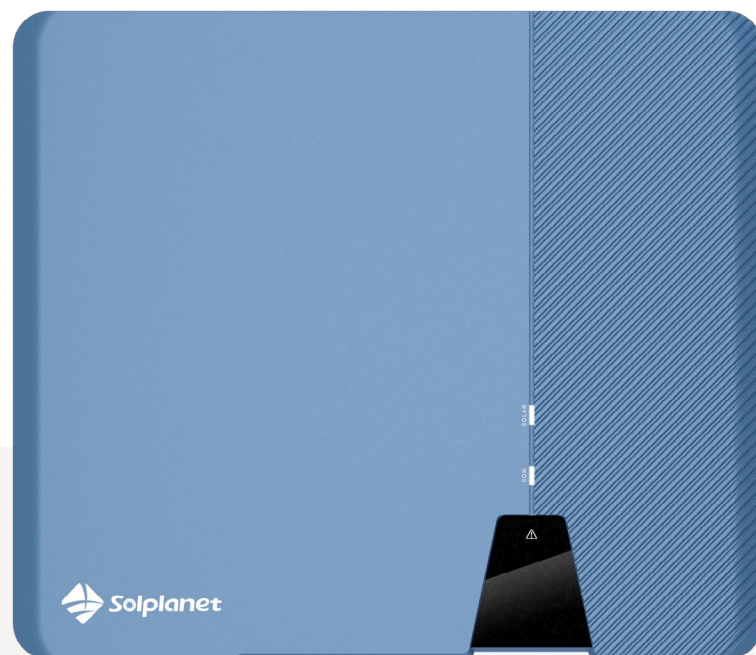
| | ASW3000-S | ASW3680-S | ASW4000-S | ASW5000-S |
|---|---|---|-------------------------|-------------------------|
| Input (DC) | Max. PV array power | 4500 W _p STC | 5520 W _p STC | 6000 W _p STC |
| | Max. input voltage | 580 V | | |
| | MPP voltage range / rated input voltage | 80 V to 550 V /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

● Standard features / ○ optional features / – not available

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

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

ASW S-G2 Series



Models:

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



Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

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

| | 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 | 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 to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | | |
| | Max. output current | 15A | 16A | 20A | 25A | 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 | ○ | | | | |
| | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC: III; DC: II | | | | |
| | General data | Dimensions (W / H / D) | 368*325*145 mm | | | |
| Weight | | 9.5 kg | | | | |
| Operating temperature range | | -25°C ... +60°C | | | | |
| Self-consumption (at night) | | < 1 W | | | | |
| Topology | | Non-isolated | | | | |
| Cooling concept | | Natural Convection | | | | |
| Degree of protection (according to IEC 60529) | | IP66 | | | | |
| Climatic category (according to IEC 60721-3-4) | | 4K4H | | | | |
| Max. permissible value for relative humidity (non-condensing) | | 100% | | | | |
| Max. operating altitude | | 4000 m | | | | |
| Features | DC connection | Plug-in connector | | | | |
| | AC connection | Plug-in Connector | | | | |
| | Mounting type | Wall-mount bracket | | | | |
| | LED Indicators (Status / Fault / Communication) | ● | | | | |
| | Communication interface ^{1&2} | Wi-Fi / 4G / RS485 (Optional) | | | | |
| | Country of manufacture | China | | | | |
| "Certificates and approvals (more available on request)" | "AS/NZS 4777.2, IEC 62109-1/2, IEC 61727, IEC 62116, NB/T32004" | | | | | |

● Standard features / ○ optional features / – not available

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

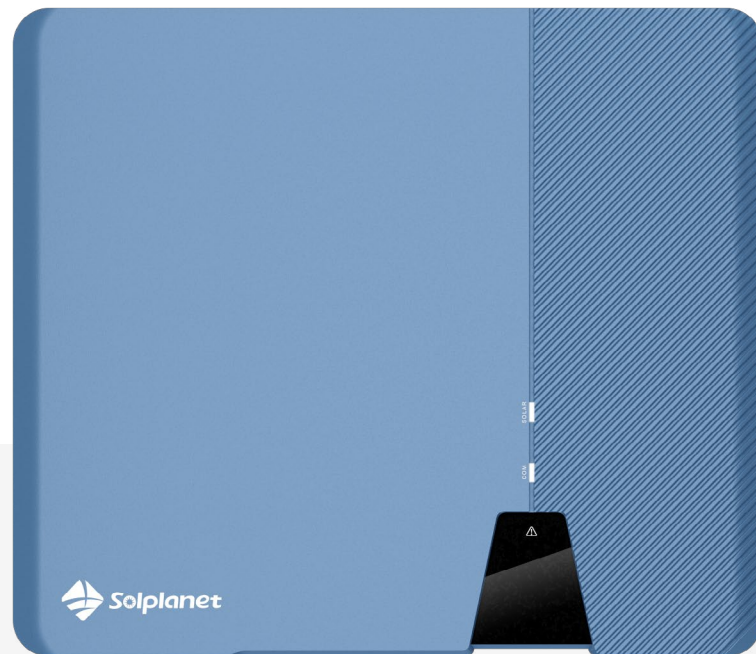
1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters.

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

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

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

ASW S Series



Models:
ASW6000-S
ASW8000-S
ASW10000-S



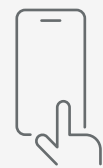
Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

| | ASW6000-S | ASW8000-S | ASW10000-S | |
|--|---|--|--------------|--------------|
| Input (DC) | Max. PV array power | 9000 Wp STC | 12000 Wp STC | 15000 Wp STC |
| | Max. input voltage | 600V | | |
| | 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 | 6000 W | 8000 W | 10000 W |
| | Rated apparent power | 6000 VA | 8000 VA | 10000 VA |
| | Max. apparent power | 6600 VA | 8800 VA | 11000 VA |
| | AC nominal voltage | 220 V / 230 V / 240 V | | |
| | 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 | | |
| Efficiency & Protection | Feed-in phases | 1 | | |
| | 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 | ● | | |
| | Surge protection | ● / Type II | | |
| 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 | Non-isolated | | |
| | Cooling concept | Natural convection | | |
| | Degree of protection (according to IEC 60529) | IP66 | | |
| | Climatic category (according to IEC 60721-3-4) | 4K4H | | |
| | Max. permissible value for relative humidity (non-condensing) | 100% | | |
| Max. operating altitude | 3000 m | | | |
| Features | DC connection | Plug-in connector | | |
| | AC connection | Plug-in connector | | |
| | Mounting type | Wall-mount bracket | | |
| | LED indicators (Status / Fault / Communication) | ● | | |
| | Communication interface ^{1&2} | Wi-Fi / 4G / RS485 (Optional) | | |
| | Country of manufacture | China | | |
| Certificates and approvals (more available on request) | CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11 | | | |

● Standard features / ○ optional features / – not available

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

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

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

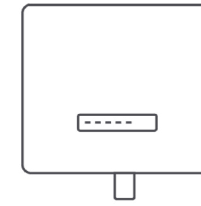
3- The overload setting is disabled as default for AS/NZS4777 grid codes

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

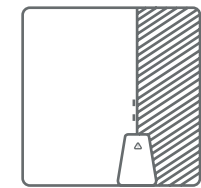
Three phase inverters



High yield, reliable residential and commercial inverters

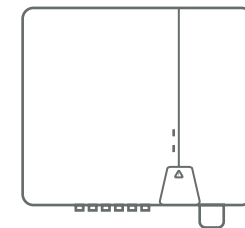


ASW T SERIES
ASW3K / 5K / 6K / 8K / 10K-T

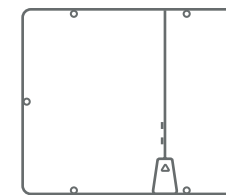


ASW LT-G2 Pro SERIES
ASW3K / 4K / 5K / 6K / 8K / 10K-LT-G2 Pro
ASW12K / 15K / 17K / 20K-LT-G2 Pro

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



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



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

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

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

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



Reliable

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



User-friendly

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

Technical Datasheet

ASW 3000-T ASW 4000-T ASW 5000-T ASW 6000-T ASW 8000-T ASW 10000-T

| | 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 active power | 3000 W | 4000 W | 5000 W | 6000 W | 8000 W | 10000 W |
| | Rated apparent power | 3000 VA | 4000 VA | 5000 VA | 6000 VA | 8000 VA | 10000 VA |
| | Max. apparent power | 3000 VA | 4000 VA | 5000 VA | 6000 VA | 8000 VA | 10000 VA |
| | AC nominal voltage | 220 V / 380 V 230 V / 400 V 240 V / 415 V | | | | | |
| | AC voltage range | 180 V to 295 V | | | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | | | |
| | Max. output current | 5 A | 6.7 A | 8.4 A | 9.1 A | 13.3 A | 15.2 A |
| | Adjustable power factor range | 0.8 leading to 0.8 lagging | | | | | |
| | Feed-in phases / connection type | 3 / 3-N -PE | | | | | |
| | Harmonic distortion (THD) at rated output | < 3% | | | | | |
| Efficiency & Protection | Max. efficiency / European efficiency | 98.2% / 96.6% | 98.2% / 97.2% | 98.2% / 97.5% | 98.2% / 97.6% | 98.3% / 98.0% | 98.3% / 98.0% |
| | DC switch | ● | | | | | |
| | Ground fault monitoring / grid monitoring | ● / ● | | | | | |
| | DC reverse polarity protection / AC short circuit protection | ● / ● | | | | | |
| | All-pole-sensitive residual-current monitoring unit | ● | | | | | |
| | Surge protection | ● / Type II | | | | | |
| | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC : III ; DC : II | | | | | |
| General data | Dimensions (W / H / D) | 424 / 375 / 172 mm | | | | | |
| | Weight | 14 kg | 14 kg | 14 kg | 14 kg | 15 kg | 15 kg |
| | Operating temperature range | -25°C ... +60°C | | | | | |
| | Noise emission (typical) | < 35 dB(A) | < 35 dB(A) | < 35 dB(A) | < 35 dB(A) | < 45 dB(A) | < 45 dB(A) |
| | Self-consumption (at night) | < 1 W | | | | | |
| | Topology | Non-isolated | | | | | |
| | Cooling concept | Natural convection | | | Active cooling | | |
| | Degree of protection (according to IEC 60529) | IP65 | | | | | |
| | Climatic category (according to IEC 60721-3-4) | 4K4H | | | | | |
| | Max. permissible value for relative humidity (non-condensing) | 100 % | | | | | |
| | Max. operating altitude | 3000 m | | | | | |
| Features | DC connection | Plug-in connector | | | | | |
| | AC connection | Plug-in connector | | | | | |
| | Mounting type | Wall-mount bracket | | | | | |
| | LED indicators (Status / Fault / Communication) | ● | | | | | |
| | Communication interface ^{1&2} | Wi-Fi / RS485 (Optional) | | | | | |
| | Country of manufacture | China | | | | | |
| Certificates and approvals (more available on request) | CE, EN50549, G98/99, AS/NZS 4777, C10/C11, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000 | | | | | | |

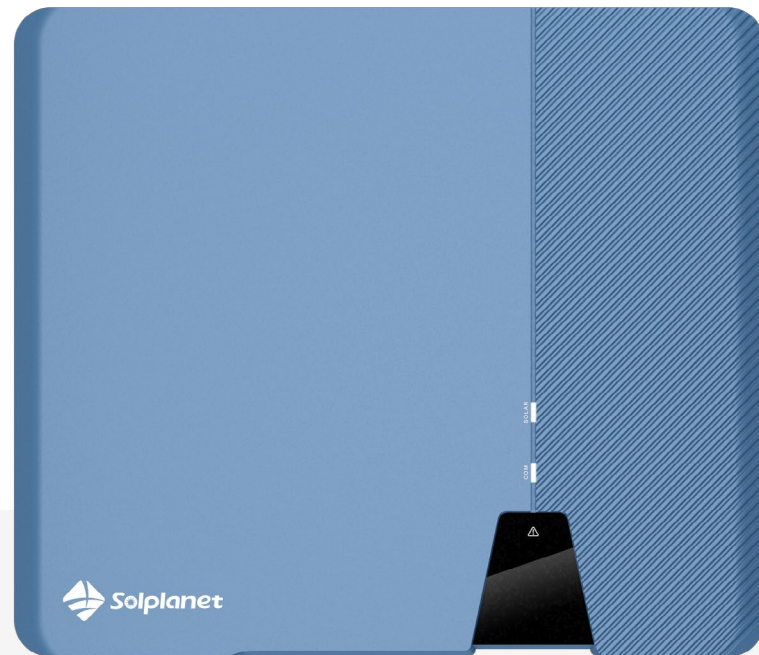
● Standard features / ○ optional features / – not available

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

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

Three phase inverters 3 to 10 kW

ASW LT-G2 Pro Series



Models:
 ASW3K-LT-G2 Pro
 ASW4K-LT-G2 Pro
 ASW5K-LT-G2 Pro
 ASW6K-LT-G2 Pro
 ASW8K-LT-G2 Pro
 ASW10K-LT-G2 Pro



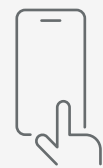
Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

| | ASW 3K-LT-G2 Pro | ASW 4K-LT-G2 Pro | ASW 5K-LT-G2 Pro | ASW 6K-LT-G2 Pro | ASW 8K-LT-G2 Pro | ASW 10K-LT-G2 Pro | |
|--|---|--|----------------------------|----------------------------|----------------------------|----------------------------|------|
| Input (DC) | Max. PV array power | 4500 Wp STC | 6000 Wp STC | 7500 Wp STC | 9000 Wp STC | 15000 Wp STC | |
| | Max. input voltage | 1100 V | | | | | |
| | MPP voltage range / rated input voltage | 150 V to 1000 V / 630 V | | | | | |
| | Min. input voltage | 125 V | | | | | |
| | Initial. feed-in voltage | 180 V | | | | | |
| | Max. operating input current | 16 A / 16 A | | | 20A / 16 A | | |
| | Max. short circuit current | 25 A / 25 A | | | 30 A / 25 A | | |
| | No. of independent MPPT inputs / strings per MPPT input | 2 / A :1 ; B : 1 | | | | | |
| Output (AC) | Rated active power | 3000 W | 4000 W | 5000 W | 6000 W | 10000 W | |
| | Rated apparent power | 3000 VA | 4000 VA | 5000 VA | 6000 VA | 10000 VA | |
| | Max. apparent power | 3300 VA ^{3&4} | 4400 VA ^{3&4} | 5500 VA ^{3&4} | 6600 VA ^{3&4} | 8800 VA ^{3&4} | |
| | AC nominal voltage | 220 V / 380 V 230 V / 400 V 240 V / 415 V | | | | | |
| | AC voltage range | 160 V to 300 V | | | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | | | |
| | Max. output current | 4.8A | 6.4 A | 8.0 A | 9.6 A | 12.8 A | 16 A |
| | Adjustable power factor range | 0.8 leading to 0.8 lagging | | | | | |
| | Feed-in phases | 3 / 3-N-PE | | | | | |
| | Harmonic distortion (THD) at rated output | < 3% | | | | | |
| Efficiency & Protection | Max. efficiency / European efficiency | 98.3 % / 97.9 % | | | 98.6% / 98.2 % | | |
| | DC Switch | ● | | | | | |
| | Ground fault monitoring / grid monitoring | ● / ● | | | | | |
| | DC reverse polarity protection / AC short circuit protection | ● / ● | | | | | |
| | All-pole-sensitive residual-current monitoring unit | ● | | | | | |
| | Surge protection | ● / Type II | | | | | |
| | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC : III ; DC : II | | | | | |
| General data | Dimensions (W / H / D) | 503 / 435 / 183 mm | | | | | |
| | Weight | < 15 kg | | | 17.3 kg | | |
| | Operating temperature range | -25°C ... +60°C | | | | | |
| | Self-consumption (at night) | < 1 W | | | | | |
| | Topology | Non-isolated | | | | | |
| | Cooling concept | Natural Convection | | | | | |
| | Degree of protection (according to IEC 60529) | IP66 | | | | | |
| | Climatic category (according to IEC 60721-3-4) | 4K4H | | | | | |
| | Max. permissible value for relative humidity (non-condensing) | 100 % | | | | | |
| | Max. operating altitude | 3000 m | | | | | |
| Features | DC connection | Plug-in connector | | | | | |
| | AC connection | Plug-in connector | | | | | |
| | Mounting type | Wall-mount bracket | | | | | |
| | LED indicators (Status / Fault / Communication) | ● | | | | | |
| | Communication interface ^{1&2} | Wi-Fi / 4G / RS485 (Optional) | | | | | |
| | Country of Manufacture | China | | | | | |
| Certificates and approvals (more available on request) | CE, EN50549, G98/99, VDE-AR-N4105, AS/NZS 4777, C10/C11, VFR 2014 & UTE C15, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, NB/T 32004 | | | | | | |

● Standard features / ○ optional features / – not available

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

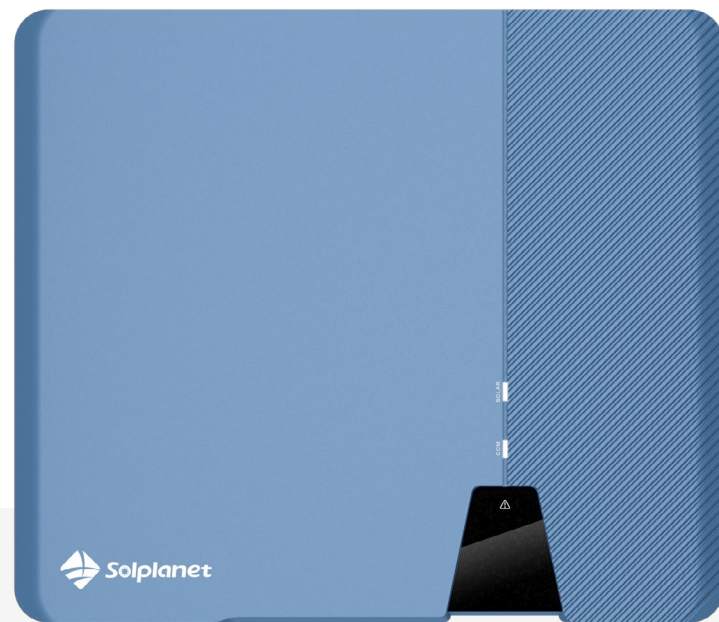
2- DRED supported with RS485 communication for Australia & New Zealand

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

4- For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power Data at nominal conditions. All information is subject to change.

Three phase inverters 12 to 20 kW

ASW LT-G2 Pro Series



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



Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

| | ASW 12K-LT-G2 Pro | ASW 15K-LT-G2 Pro | ASW 17K-LT-G2 Pro | ASW 20K-LT-G2 Pro | |
|---|---|--|----------------------------|----------------------------|----------------------------|
| Input (DC) | Max. PV array power | 18000 Wp 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 | 180 V | | | |
| | Max. operating input current | 32 A / 20 A | 32 A / 20 A | 32 A / 32 A | 32 A / 32 A |
| | Max. short circuit current | 48 A / 30 A | 48 A / 30 A | 48 A / 48 A | 48 A / 48 A |
| No. of independent MPPT inputs / strings per MPPT input | 2 / A:2;B:1 | 2/A:2;B:1 | 2 / A:2;B:2 | 2 / A:2;B:2 | |
| Output (AC) | Rated active power | 12000 W | 15000 W | 17000 W | 20000 W |
| | Rated apparent power | 12000 VA | 15000 VA | 17000 VA | 20000 VA |
| | Max. apparent power | 13200VA ^{3&4} | 16500VA ^{3&4} | 18700VA ^{3&4} | 22000VA ^{3&4} |
| | AC nominal voltage | 220 V / 380 V 230 V / 400 V 240 V / 415 V | | | |
| | AC voltage range | 160 V to 300 V | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | |
| | Max. output current | 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 | ● | | | |
| | Surge protection | ● / Type II | | | |
| | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I/AC: III; DC :II | | | |
| General data | Dimensions (W / H / D) | 503 / 435 / 183 mm | | | |
| | Weight | 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 | Non-isolated | | | |
| | Cooling concept | Active cooling | | | |
| | Degree of protection (according to IEC 60529) | IP66 | | | |
| | Climatic category (according to IEC 60721-3-4) | 4K4H | | | |
| | Max. permissible value for relative humidity (non-condensing) | 100% | | | |
| | Max. operating altitude | 3000 m | | | |
| Features | DC connection | Plug-in connector | | | |
| | AC connection | 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

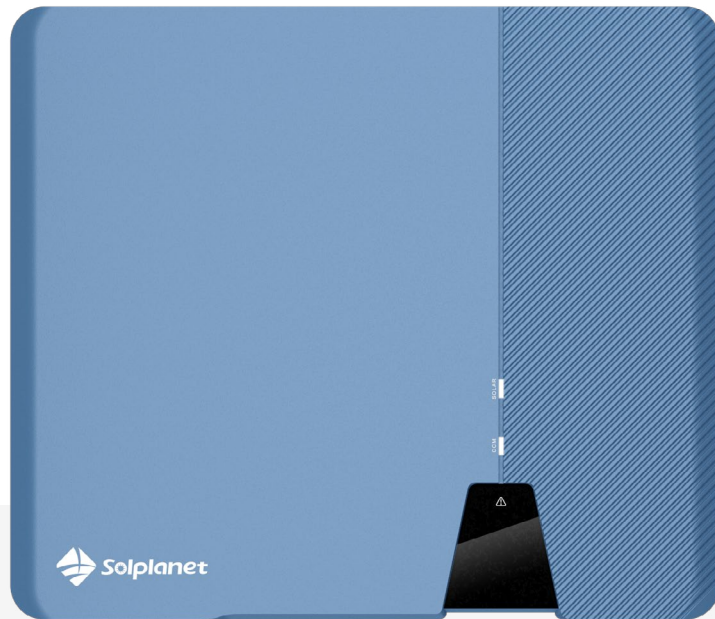
3- The overload setting is disabled as default for AS/NZS4777 grid codes

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

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

Three phase inverters 8 to 20 kW

ASW LT-G2 Series



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



Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

| | ASW 8K-LT-G2 | ASW 10K-LT-G2 | ASW 12K-LT-G2 | ASW 15K-LT-G2 | ASW 17K-LT-G2 | ASW 20K-LT-G2 | |
|-------------------------|---|--|------------------|------------------|------------------|------------------|-------------|
| Input (DC) | Max. PV array power | 12000 Wp STC | 15000 Wp STC | 18000 Wp STC | 22500 Wp STC | 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 | 26A/26A | 26A/26A | 26A/26A |
| Output (AC) | Max. short circuit current | 40 A / 20 A | 40 A / 20 A | 40 A / 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:2 | 2 / A:2;B:2 |
| | Rated active power | 8000 W | 10000 W | 12000 W | 15000 W | 17000 W | 20000 W |
| Efficiency & Protection | Rated apparent power | 8000VA | 10000VA | 12000VA | 15000VA | 17000VA | 20000VA |
| | Max. apparent power | 8000VA | 10000VA | 12000VA | 15000VA | 17000VA | 20000VA |
| | AC nominal voltage | 220 V / 380 V 230 V / 400 V 240 V / 415 V | | | | | |
| | AC voltage range | 160 V to 300 V | | | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | | | |
| | Max. output current | 12.8 A | 16 A | 19.1 A | 24 A | 27.1 A | 31.9 A |
| | Adjustable power factor range | 0.8 leading to 0.8 lagging | | | | | |
| | Feed-in phases | 3 / 3-N-PE | | | | | |
| | Harmonic distortion (THD) at rated output | <3 % | | | | | |
| | Max. efficiency / European efficiency | 98.6 % / 98.2 % | | | | | |
| General data | DC Switch | ● | | | | | |
| | Ground fault monitoring / grid monitoring | ● / ● | | | | | |
| | DC reverse polarity protection / AC short circuit protection | ● / ● | | | | | |
| | All-pole-sensitive residual-current monitoring unit | ● | | | | | |
| | Surge protection | ● / Type II | | | | | |
| | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC: III; DC: II | | | | | |
| Features | Dimensions (W / H / D) | 503 / 435 / 183 mm | | | | | |
| | Weight | 17.3 kg | 17.3 kg | 17.3 kg | 17.3 kg | 18.6 kg | 18.6 kg |
| | Operating temperature range | -25°C ... +60°C | | | | | |
| | Self-consumption (at night) | < 1 W | | | | | |
| | Topology | 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 | Plug-in connector | | | | | |
| | AC connection | Plug-in connector | | | | | |
| | Mounting type | Wall-mount bracket | | | | | |
| | LED indicators (Status / Fault / Communication) | ● | | | | | |
| | Communication interface | Wi-Fi / 4G / RS485 (Optional) | | | | | |
| | Country of manufacture | China | | | | | |
| | Certificates and approvals (more available on request) | CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11 | | | | | |

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

Three phase inverters 25 to 40 kW

ASW LT-G3 Series



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



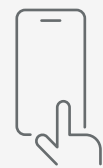
Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

| | ASW 25K-LT-G3 | ASW 27K-LT-G3 | ASW 30K-LT-G3 | ASW 33K-LT-G3 | ASW 36K-LT-G3 | ASW 40K-LT-G3 | |
|---|---|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Input (DC) | Max. PV array power | 37500 Wp STC | 40500 Wp STC | 45000 Wp STC | 49500 Wp STC | 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 | | |
| Output (AC) | Max. short circuit current | 48 A / 48A / 48A | | | 48 A / 48A / 60A | | |
| | No. of independent MPPT inputs / strings per MPPT input | 3 / A:2;B:2;C:2 | | | 3 / A:2;B:2;C:2 | | |
| | Rated active power | 25000W | 27000W | 30000W | 33000W | 36000W | 40000W |
| Efficiency & Protection | Rated apparent power | 25000 VA | 27000 VA | 30000 VA | 33000 VA | 36000 VA | 40000 VA |
| | Max. apparent power | 27500VA ^{3&4} | 29700VA ^{3&4} | 33000VA ^{3&4} | 36300VA ^{3&4} | 39600VA ^{3&4} | 44000VA ^{3&4} |
| | AC nominal voltage | 220 V / 380 V 230 V / 400 V 240 V / 415 V | | | | | |
| | AC voltage range | 180 V to 305 V / 312 V to 528V | | | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | | | |
| | Max. output current | 39.9A | 43.0A | 47.8A | 52.6A | 57.4A | 63.8A |
| | Adjustable power factor range | 0.8 leading to 0.8 lagging | | | | | |
| | Feed-in phases | 3 / 3-N-PE | | | | | |
| | Harmonic distortion (THD) at rated output | < 3% | | | | | |
| | Max. efficiency / European efficiency | 98.4% / 98.2% | | | | | |
| | DC Switch | ● | | | | | |
| | Ground fault monitoring / grid monitoring | ● / ● | | | | | |
| DC reverse polarity protection / AC short circuit protection | ● / ● | | | | | | |
| All-pole-sensitive residual-current monitoring unit | ● | | | | | | |
| Anti-islanding Protection | ● | | | | | | |
| Surge protection | ● / Type II | | | | | | |
| Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC: III; DC: II | | | | | | |
| 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 | Plug-in connector | | | | | |
| | AC connection | Plug-in connector | | | | | |
| | Mounting type | Wall-mount bracket | | | | | |
| | LED Indicators (Status / Fault / Communication) | ● | | | | | |
| | Communication interface ^{1&2} | Wi-Fi / 4G / RS485 (Optional) | | | | | |
| | Country of manufacture | China | | | | | |
| Certificates and approvals (more available on request) | CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61000, NB/T 32004 | | | | | | |

● Standard features / ○ optional features / – not available

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

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

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

4- For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power-Data at nominal conditions. All information is subject to change.

Three phase inverters 30 to 50 kW

ASW LT-G2 Series



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



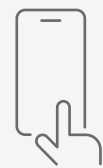
Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

| | ASW 30K-LT-G2 | ASW 33K-LT-G2 | ASW 36K-LT-G2 | ASW 40K-LT-G2 | ASW 45K-LT-G2 | ASW 50K-LT-G2 | |
|--|---|---|-------------------|------------------|------------------|------------------|----------|
| Input (DC) | Max. PV array power | 45000 Wp STC | 49500 Wp STC | 54000 Wp STC | 60000 Wp STC | 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 active power | 30000 W | 33000 W | 36000 W | 40000 W | 45000 W | 50000 W |
| | Rated apparent power | 30000 VA | 33000 VA | 36000 VA | 40000 VA | 45000 VA | 50000 VA |
| | Max. apparent 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 | 180-305 V / 312-528 V | | | | | |
| | AC grid frequency / range | 50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz | | | | | |
| | Max. output current | 50.0 A | 55.0 A | 60.0 A | 66.7 A | 75.0 A | 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 | ● | | | | | |
| | Surge protection | ● / Type II | | | | | |
| | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC: III; DC: II | | | | | |
| | Dimensions (W / H / D) | 670 / 580 / 270 mm | | | | | |
| General data | Weight | 42 kg | 42 kg | 42 kg | 42.5 kg | 42.5 kg | 43 kg |
| | Operating temperature range | -25°C ... +60°C | | | | | |
| | Self-consumption (at night) | < 1 W | | | | | |
| | Topology | Non-isolated | | | | | |
| | Cooling concept | Active cooling | | | | | |
| | Degree of protection (according to IEC 60529) | IP66 | | | | | |
| | Climatic category (according to IEC 60721-3-4) | 4K4H | | | | | |
| | Max. permissible value for relative humidity (non-condensing) | 100 % | | | | | |
| | Max. operating altitude | 3000 m | | | | | |
| | Features | DC connection | Plug-in connector | | | | |
| AC connection | | OT connector | | | | | |
| Mounting type | | Wall-mount bracket | | | | | |
| LED indicators (Status / Fault / Communication) | | ● | | | | | |
| Communication interface | | Wi-Fi / 4G / RS485 (Optional) | | | | | |
| Country of manufacture | | China | | | | | |
| Certificates and approvals (more available on request) | | CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC61000, NB/T 32004 | | | | | |

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

Three phase inverters 40 to 50 kW

ASW LT-G2 Pro Series



Models:
ASW40K-LT-G2 Pro
ASW45K-LT-G2 Pro
ASW50K-LT-G2 Pro



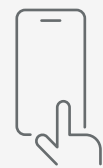
Easy-to-install

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



Reliable

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



User-friendly

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

Technical Datasheet

ASW40K-LT-G2 Pro

ASW45K-LT-G2 Pro

ASW50K-LT-G2 Pro

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

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

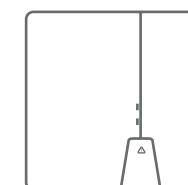
Hybrid inverters

Perfect for home
& small business
applications



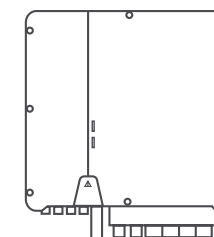
ASW H-S2 SERIES

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



ASW H-T1 SERIES

ASW08H-T1
ASW10H-T1
ASW12H-T1



Single phase hybrid inverters



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



Easy-to-install

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



Reliable

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



User-friendly

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

Technical DataSheet

| | ASW3000H-S2 | ASW3680H-S2 | ASW4000H-S2 | ASW5000H-S2 | ASW6000H-S2 | |
|--------------------|---|------------------------------------|-------------|-------------|-------------|---------|
| PV Input | Max. PV array power | 5500 Wp STC | 6180 Wp STC | 6500 Wp STC | 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 | | | | |
| Efficiency | Output THDi (@ Linear load) | <3% | | | | |
| | MPPT efficiency | 99.90% | | | | |
| | Euro efficiency / Max. efficiency | 97% / 97.6% | | | | |
| Safety protection | Max. battery to load efficiency | 94.70% | | | | |
| | 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 | | | | |
| | Power factor at rated power / adjustable displacement | ≥0.99 / 0.8 leading to 0.8 lagging | | | | |
| 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) | 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 | ● / ● | | | | |

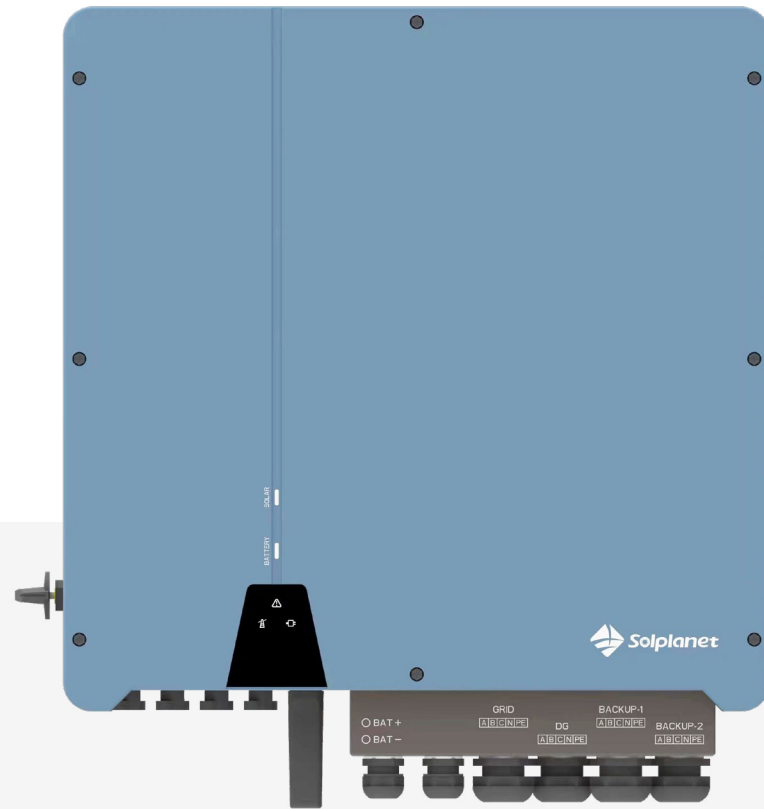
● Standard features / ○ optional features / – not available

*1 For VDE-AR-N4105, Smax=S_n=4600VA, P_n=4600W

*2 For AS/NZS4777.2, I_{ac} max=21.7

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

Three phase hybrid inverters



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



Easy-to-install

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



Reliable

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



User-friendly

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

Technical DataSheet

| | ASW08kH-T1 | ASW10kH-T1 | ASW12kH-T1 | |
|----------------------------|---|--|------------|---------------|
| PV Input | Max. PV array power | 12 kWp STC | 15 kWp STC | 18 kWp STC |
| | Max. input voltage | 1000 V | | |
| | MPP voltage range | 180 V ~ 850 V | | |
| | No. of independent MPPT trackers / strings per MPPT input | 2 / (1/1) | | |
| | Max. input current per MPP tracker | 13 A | | |
| Battery input | Max. short-circuit current per MPP tracker | 25A | | |
| | Battery type | LiFePO4 | | |
| | Battery voltage range | 150 V to 600 V | | |
| | Max. charging/ discharging power | 8.8KW/8.8KW | 11kW/11kW | 13.2kW/13.2kW |
| AC output | Max. charging current / discharging current | 50 A / 50 A | | |
| | Rated. charging current / discharging current | 40 A / 40 A | | |
| AC input | Nominal AC voltage | 3W+N+PE, 220 V / 380 V; 230 V / 400 V; 240 V / 415 V | | |
| | AC voltage range | 360V-440V | | |
| | Rated AC grid frequency | 50 Hz / 60 Hz | | |
| | Rated apparent power | 8 kVA | 10 kVA | 12 kVA |
| | Max. apparent power | 8.8 kVA | 11 kVA | 13.2 kVA |
| | Rated grid output Current (@400V) | 11.6 A | 14.5 A | 17.4 A |
| | Max. grid output current | 12.7A | 15.9A | 19.1A |
| AC input | Rated grid voltage | 3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V | | |
| | Rated grid frequency | 50Hz / 60Hz | | |
| | Rated apparent power | 16 kW | 20 kW | 24 kW |
| | Max. input apparent power from grid | 17.6 kVA | 22 kVA | 26.4 kVA |
| EPS output | Max. input current from grid | 25.5 A | 31.8 A | 38.2 A |
| | Nominal output voltage | 3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V | | |
| | Nominal output frequency | 50 Hz / 60 Hz | | |
| | Rated apparent power | 8 kVA | 10 kVA | 12 kVA |
| | Max. output apparent power | 8 kVA | 10 kVA | 12 kVA |
| | Peak output apparent power | 8.8 kVA | 11 kVA | 13.2 kVA |
| | Rated Current (@400V) | 11.6 A | 14.5 A | 17.4 A |
| | Max. output current | 12.7 A | 15.9 A | 19.1 A |
| Efficiency | Max. switch time | ≤20 ms | | |
| | Output THDi (@ Linear load) | <2% | | |
| | MPPT efficiency | ≥99.5% | | |
| | Max efficiency | 97.90% | 98.20% | 98.20% |
| Safety protection | Euro efficiency | 97.20% | 97.50% | 97.50% |
| | Max. battery to load efficiency | 97.50% | 97.50% | 97.60% |
| | DC-side disconnection device | ● | | |
| | PV string- / Battery input reverse polarity protection | ● / ● | | |
| | All-pole sensitive residual current monitoring unit | ● | | |
| | Anti-islanding protection | ● | | |
| | Ground fault protection | ● | | |
| | AC output over current protection | ● | | |
| | AC output short circuit current protection | ● | | |
| AC over voltage protection | ● | | | |
| General data | Protection class (as per IEC 62109-1) | I | | |
| | overvoltage category (as per IEC 62109-1) | AC: III; DC: II | | |
| | Power factor at rated power / adjustable displacement | ≥0.99 / 0.8 leading to 0.8 lagging | | |
| | Dimensions (W / H / D) | 530 / 200 / 560 mm | | |
| | Device weight | 30kg | 31kg | 32kg |
| | Operating temperature range | -25 °C ... +60 °C | | |
| | Noise emissions (typical) | < 35 dB(A) | | |
| | Standby consumption | < 3 W | | |
| | Cooling concept | Natural convection | | |
| | Ingress protection rating (as per IEC 60529) | IP65 | | |
| Features | Climatic category (according to IEC 60721-3-4) | 4K4H | | |
| | Max. permissible value for relative humidity (non-condensing) | 0-95% | | |
| | Max. operating altitude | 4000m (>2000m power derating) | | |
| | User interface | LED & App | | |
| | Communication with BMS | RS485 / CAN | | |
| Certif-icates | Communication with meter | RS485 | | |
| | Communication with portal | WIFI stick | | |
| | Integrated power control / Zero export control | ● / ● | | |
| | Grid | EN 50549-1,RfG 3 | | |
| Safety | EN 62109-1, EN 62109-2 | | | |
| EMC | IEC 61000-6-1/-2/-3/-4, IEC 61000-3-11, IEC61000-3-12 | | | |

● Standard features / ○ optional features / - not available

Connect & monitor



Smart cloud-based
monitoring
& communication
systems



Photo by Artem Podrez

CLOUD BASED MONITORING

Solplanet Cloud and App



COM STICK SERIES

Wi-Fi Stick
4G Stick



Cloud & App



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

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

Easy-to-install

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

Reliable

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

User-friendly

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

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



Wi-Fi / 4G Stick



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

Easy-to-install

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

Reliable

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

User-friendly

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

Technical Data Sheet

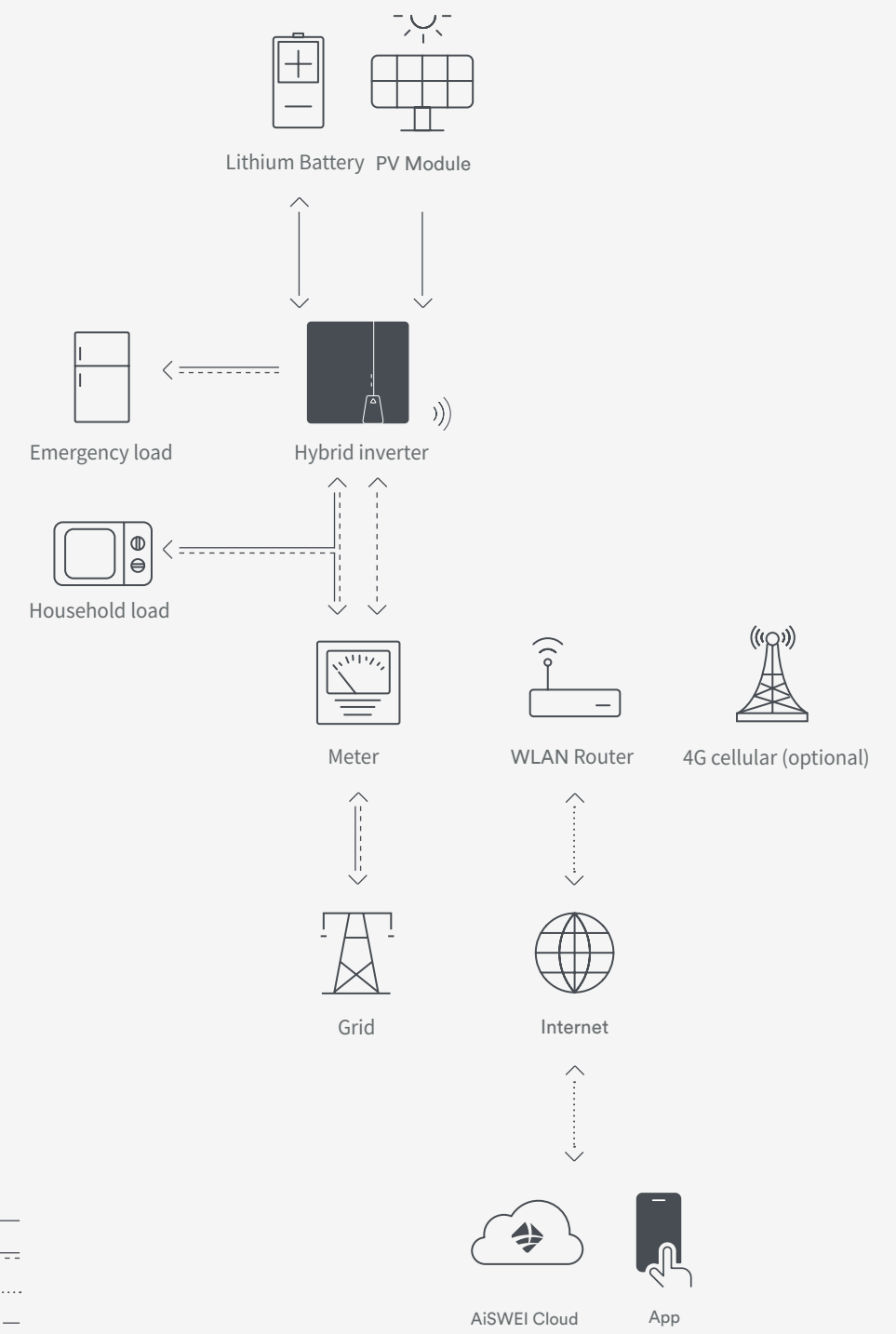
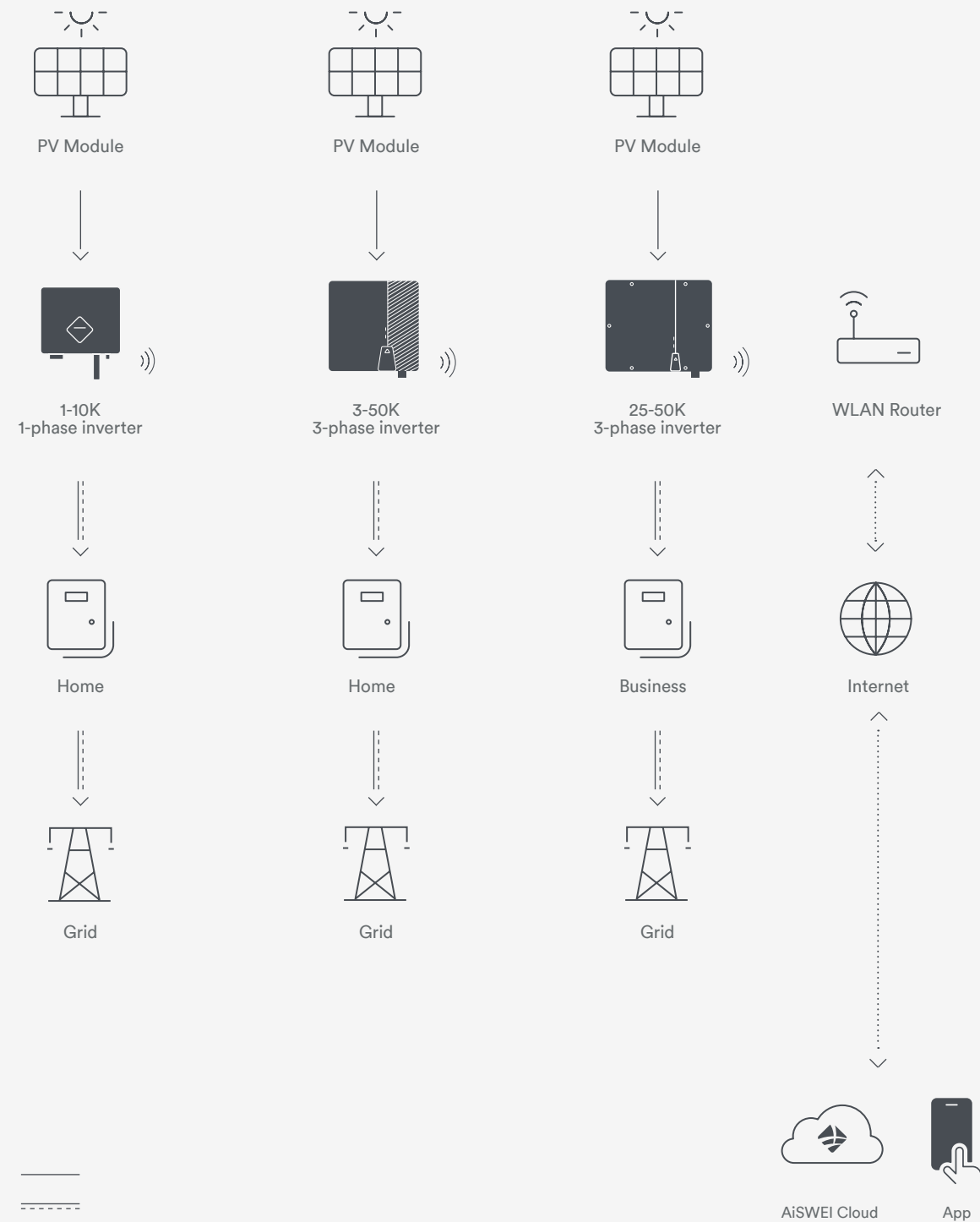
Wi-Fi Stick

4G Stick

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

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

Wi-Fi connection & monitor set up for hybrid inverters



Internationally accredited laboratory

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

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



Intertek



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