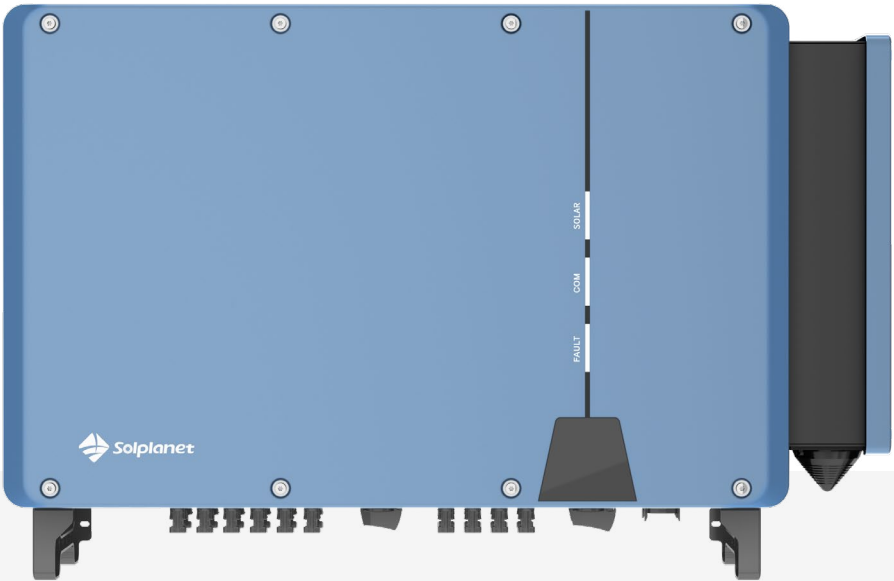


# ASW LT Series

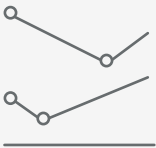


Models:  
ASW75K-LT  
ASW80K-LT  
ASW100K-LT  
ASW110K-LT



### 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 W                                                                    | 80000 W       | 100000 W      | 110000 W      |
|                         | 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<br>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                                                 |               |               |               |
| Efficiency & Protection | Feed-in phases                                                                                | 3 / 3-N-PE                                                                 |               |               |               |
|                         | Harmonic distortion (THD) at rated output                                                     | < 3%                                                                       |               |               |               |
|                         | 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                                                                    |               |               |               |
| General data            | AC Surge Protection                                                                           | Type II                                                                    |               |               |               |
|                         | Residual Current Monitoring Unit                                                              | ●                                                                          |               |               |               |
|                         | Arc fault circuit interrupter (AFCI)                                                          | ○                                                                          |               |               |               |
|                         | Anti-islanding Protection                                                                     | ●                                                                          |               |               |               |
|                         | Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1) | I / AC: III; DC: II                                                        |               |               |               |
|                         | Dimensions (W / H / D)                                                                        | 984/ 640 / 330 mm                                                          |               |               |               |
|                         | Weight                                                                                        | 86 kg                                                                      |               |               |               |
|                         | Operating temperature range                                                                   | -25°C ... +60°C                                                            |               |               |               |
| Features                | 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)                                             | ●/●/○/○                                                                    |               |               |               |
|                         | Modbus-Sunspec protocol                                                                       | ●                                                                          |               |               |               |
|                         | Certificates and approvals (more available on request)                                        | CE, IEC 62109-1/2,<br>IEC 61727, IEC 62116, IEC61683, EN50549-1/2, VDE4105 |               |               |               |

● standard features    ○ optional  
Data at nominal conditions. All information is subject to change.