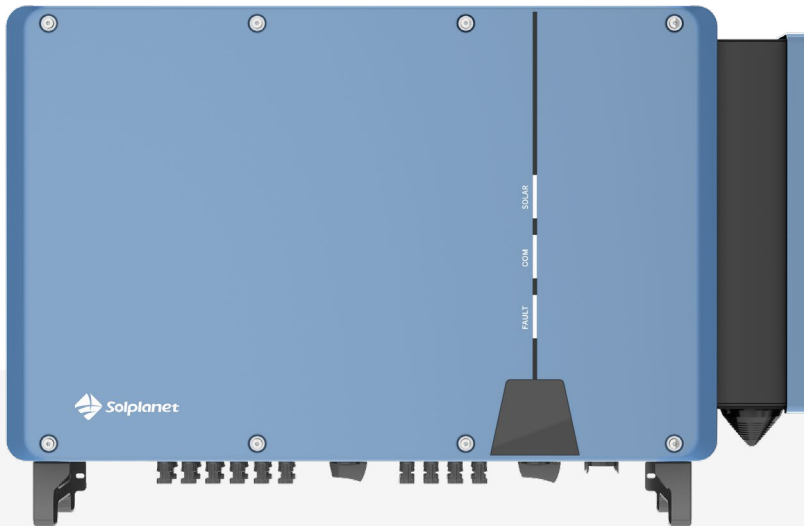


Three Phases Inverters 75 to 110 kW

ASW LT Series

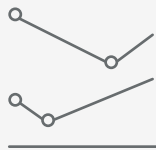


Models:
ASW75K-LT
ASW80K-LT
ASW100K-LT
ASW110K-LT



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

	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
	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
Output (AC)	Rated active power	75000 W	80000 W	100000 W
	Max. apparent power	75000 VA	88000 VA ¹⁾	110000 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
	Max. output current	114.0 A	127.0 A	158.8 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% / 98.4%		
Efficiency & Protection	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	●		
	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		
	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)	● / ● / ○ / ○		
	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 ○ 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

Version: July 2023

