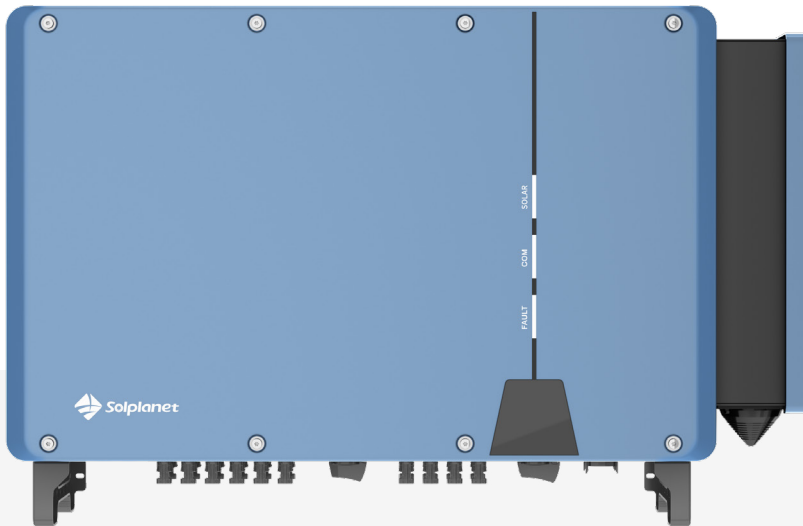


Three Phases Inverters 75 to 110 kW

# 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

- 150% PV array oversizing for higher yields
- 16A input current, 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 <sup>1</sup>	110000 VA <sup>1</sup>
	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%		
	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	85 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)		●/●/○		
Modbus-Sunspec protocol		●		
Certificates and approvals (more available on request)		CE, IEC 62109-1/2, IEC 61727, IEC 62116,		

● standard features ○ optional

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

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

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