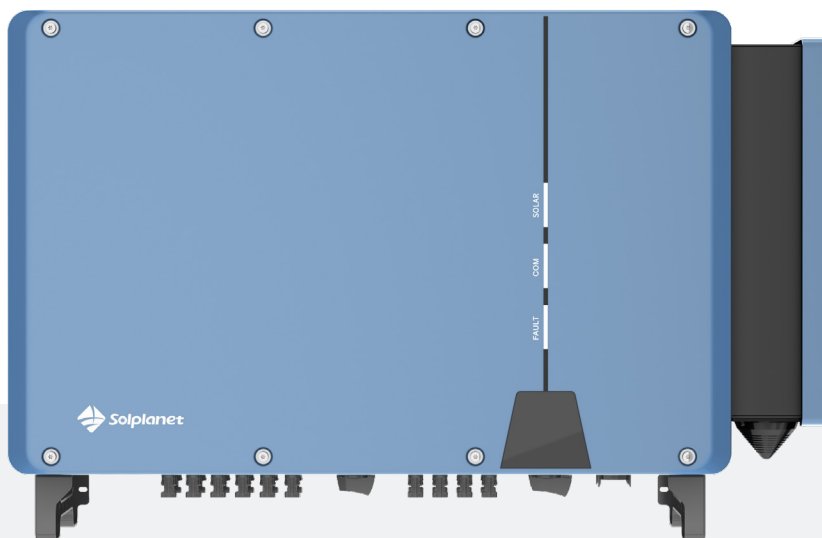


Three Phases Inverters 75 to 110 kW

ASW LT Series



Models:

ASW75K-LT

ASW80K-LT

ASW100K-LT

ASW110K-LT



Safe & reliable

- Type II AC & DC surge protection
- IP66 rated design for indoor and outdoor use
- Fuse free design, lower BOS cost



Higher Yields

- ShadeSol - improved generation under non-ideal conditions
- 32A input current each MPPT, ideal for bifacial and large area PV modules
- 10 MPPTs for flexible PV array design for higher yields.



User-friendly

- 24/7 monitoring
- Smart setup, commissioning and monitoring via Solplanet App
- 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
	Rated appearant power	75000 VA	80000 VA	100000 VA	110000 VA
	Max. apparent power	75000 W	88000 W	110000 W	121000 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 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	●			
	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)	●			
	24/7 moitoring	●			
	Communication interface	●/●/●/○ (RS485 /Wi-Fi/ LAN /4G)			
	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 features

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

*The inverter is in the standby status when the input voltage ranges between 950V and 1100V

*The input voltage should not exceed 850V when the application scenario include capacitor bank or zero-export

Version: Aug 2025

