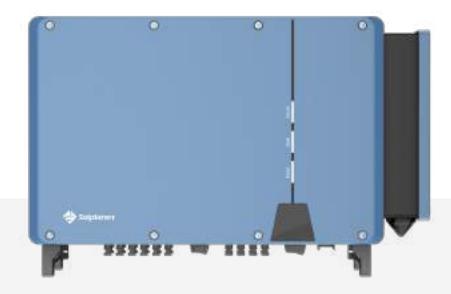
ASW LT Series



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
	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	200 V - 1000 V / 630 V			
	Min. input voltage	200 V			
	Initial. feed-in voltage	250 V			
(C)	Max. operating input current	32 A			
Input (DC)	Max. short circuit current	48 A			
ndu	No. of independent MPPT inputs / strings per MPPT input	8/2	8/2	10/2	10/2
_	Rated active power	75000 W	80000 W	100000 W	110000 W
	Max. apparent power	75000 VA ¹	88000 VA ¹	110000 VA ¹	121000 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	158.8 A
	Max. output current	114.0 A	127.0 A	158.8 A	174.7 A
Efficiency & Protection Output (AC)	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%			
	DC switch	30.0/6/ 30.4/6			
	Ground fault monitoring / grid monitoring	•/•			
	DC reverse polarity protection / AC short circuit protection	•			
	AC Overcurrent Protection	- Tracil			
	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			
	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 Non-isolated			
	Cooling concept	Active cooling			
ata	Degree of protection (according to IEC 60529)	IP66			
	Climatic category (according to IEC 60721-3-4)	4K4H			
a	Max. permissible value for relative humidity (non-condensing)	100%			
Features General data	Max. operating altitude	4000 m			
	EMC	CLASS B			
	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	OF 150 man 1/2			
e e	Certificates and approvals (more available on request)	CE, IEC 62109-1/2, IEC 61727, IEC 62116, IEC61683,EN50549-1/2,VDE4105			

[•] standard features O 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: Mar 2023

