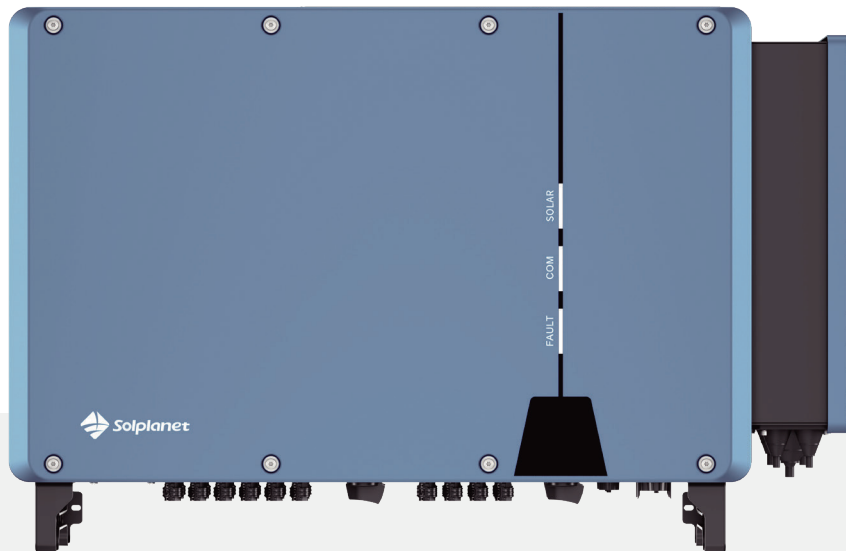


Three phase inverters 125 kW

ASW LT Series



Models:
ASW125K-LT



High Yield

- Up to 40 A per MPPT, ideal for bifacial and large area PV modules
- ShadeSol - improved generation under non-ideal conditions
- 110% overload



Smart O&M

- String-level management
- Type I+II SPD surge protection for DC&AC
- Integrated DC switch
- PID recovery (optional)



User friendly

- IP66 rated design for indoor and outdoor use
- Intelligent arc fault detection (AFCI)
- Quick and easy-to-install with standard tools

Technical Datasheet

ASW125K-LT

Input (DC)	Max. PV array power	187500 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
	Max. operating input current	10*40A
	Max. short circuit current	10*50A
	No. of independent MPPT inputs / strings per MPPT input	10 / 2
Output (AC)	Rated active power	125000 W
	Rated apparent power	125000 VA
	Max. apparent power	137500 VA
	AC nominal voltage	220 V / 380 V 230 V / 400 V
	AC voltage range	180 to 305 V / 312 V to 528 V
	AC grid frequency / range	50Hz / 60Hz 45Hz - 65Hz
	Nominal output current	190.0A
	Max. output current	209.0 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	●
	All-pole-sensitive residual-current monitoring unit	●
	Anti-islanding protection	●
	DC surge protection (SPD)	Type II: ● (Type I+II: ○)
	AC surge protection (SPD)	Type I+II: ○
	Arc Fault Circuit Interrupter (AFCI)	●
	PID recovery	○
	Protection class (according to IEC 62109-1) / Overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II
Sunspec protocol (RTU)	●	
General data	Dimensions (W / H / D)	984 / 640 / 330 mm
	Weight	87.0 kg
	Operating temperature range	-30 °C ... +60 °C
	Self-consumption (at night)	< 5 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
	Relative humidity (non-condensing)	100 %
Max. operating altitude	4000 m	
Features	DC connection	Sunclix
	AC connection	OT / DT Connector
	LED indicators (Status / Fault / Communication)	●
	Communication interface	● / ● / ● / ○ (RS485 / Wi-Fi / LAN / 4G)
	Certificates and approvals (more available on request)	CE, IEC 62109-1/2, IEC 63027, IEC 61727, EN 50549

● standard features ○ optional features - not available

