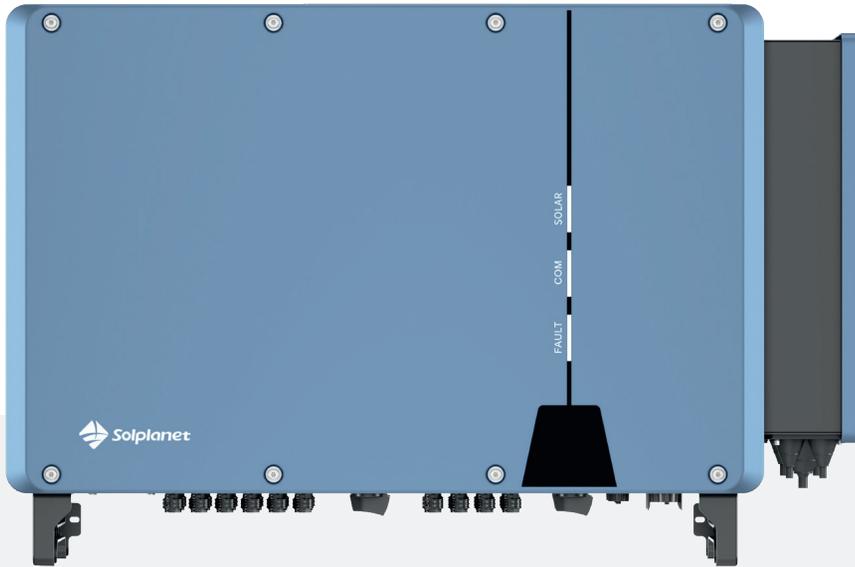
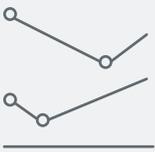


Three Phases Inverters 125 kW

ASW LT Series



Model:
ASW125K-LT



Higher Yields

- 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

ASW 125K-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 * 40 A
	Max. short circuit current	10 * 50 A
	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 - 305 V / 312 V - 528 V
	AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz - 55 Hz - 65Hz
	Nominal output current	190.0 A
	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
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		Type II: ● Type I+II: ○
AC surge protection		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,IEC61727,EN50549

● standard features / ○ optional features - not available

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: Nov 2025

