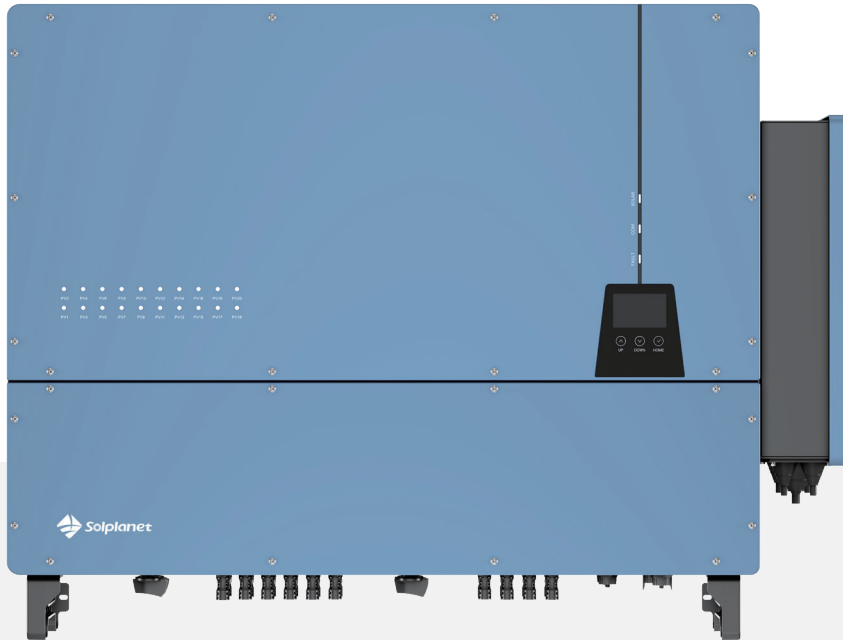


Three phase inverters 125 kW

# ASW LT Series



Models:  
ASW125K-LT-KR



## Higher Yields

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



## Smart O&M

- String-level management
- Type I +II SPD surge protection for DC & AC
- Integrated DC switch
- Intelligent arc fault detection (AFCI)



## User-friendly

- IP66 rated design for indoor and outdoor use
- Quick and easy-to-install with standard tools
- Integrated fuse
- LCD display screen

# Technical Datasheet

ASW125K-LT-KR

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
	Fuse specification per string	32 A / 1500 Vdc 25 A / 1500 Vdc (Optional)
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	3W+PE, 220 V / 380 V
	AC voltage range	180 to 305 V / 312 V to 528 V
	AC grid frequency / range	60 Hz / 55 Hz - 65 Hz
	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 % / 98.3 %
	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 I+II
	AC surge protection (SPD)	Type I+II
	Arc Fault Circuit Interrupter (AFCI)	●
	Protection class (according to IEC 62109-1) / Overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II
	Sunspec protocol	●
General data	Dimensions (W / H / D)	1123 / 853 / 328 mm
	Weight	102.0 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	MC4 Connector
	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, KS8565, KS8567

● standard features ○ optional features - not available

