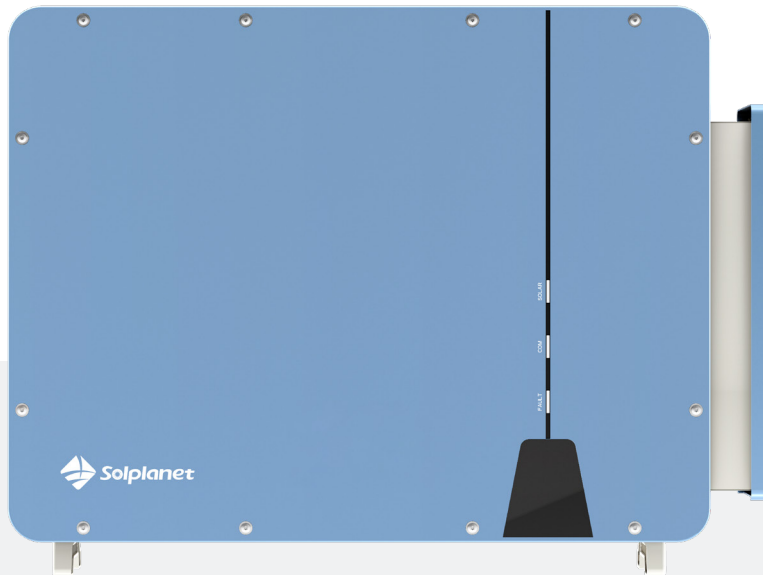


Three Phases Inverters 150 kW

ASW LT Series



Model:
ASW150K-LT



Higher Yields

- 48 A per MPPT, ideal for bifacial and large area PV modules
- Smart PID recovery for higher yields (optional)
- ShadeSol - improved generation under non-ideal conditions
- ABUS to enhance communication stability and reduce cable costs (optional)



Smart O&M

- Smart I-V Curve tracing for easy diagnostics
- String-level management
- Type I+II SPD surge protection for DC & AC with replaceable units
- Integrated DC switch, automatically cuts off the fault



User-friendly

- IP66 and C5 rated design for indoor and outdoor use
- DC connector and AC terminal temperature detection
- Intelligent arc fault detection (AFCI)
- Supports Y-connection
- Smart setup, commissioning and monitoring via Solplanet's App

Technical Datasheet

ASW 150K-LT

Input (DC)	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	8 * 48 A
	Max. short circuit current	8 * 60 A
	No. of independent MPPT inputs / strings per MPPT input	8 / 3
Output (AC)	Rated active power	150000 W
	Rated apparent power	150000 VA
	Max. apparent power	150000 VA
	AC nominal voltage	3-N-PE , 380 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
	Nominal output current	227.9 A
	Max. output current	250.7 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	99.0% / 98.6%
	DC switch	●
	Ground fault monitoring	● / ●
	Grid monitoring	● / ●
	All-pole-sensitive residual-current monitoring unit	●
	Anti-islanding protection	●
	DC surge protection	Type II (TypeI+II O)
	AC surge protection	Type II (TypeI+II O)
	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)	1010 / 757 / 362 mm
	Weight	100.9 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	Plug-in Connector
	AC connection	OT/DT Connector
	LED indicators (Status / Fault / Communication)	●
	Communication interface	● / ● / ○ / ○ (RS485 / Wi-Fi / ABUS / 4G)
	Certificates and approvals (more available on request)	CE, IEC 62109-1/2, IEC 63027, IEC 61727, EN 50549, IEC62116, IEC61683

● standard features / ○ optional features / - not available
Version: Nov 2025

