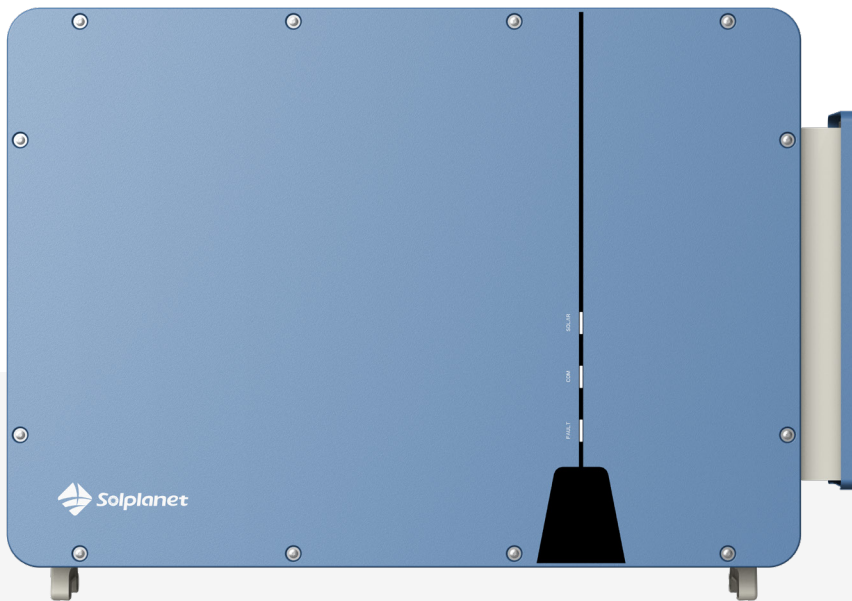


Three Phases Inverters 250 to 360 kW

ASW HT Series



Model:
ASW 250K-HT



Safe & Reliable

- ABUS to enhance communication stability and reduce cable costs
- Designed to operate in challenging global environmental conditions
- DC connector and AC terminal temperature detection
- High operation capability in weak grid
- Smart DC connector disconnection



Minimizing LCOE

- Maximizing yield by leading conversion efficiency > 99%
- Compatible with max. 500 mm² AC cables
- Night and day time reactive power control
- 75 A per MPPT, compatible with high current PV modules



Smart O&M

- Secured and reliable remote firmware upgrade simplifying long-term operation
- Smart I-V Curve tracing for easy diagnostics
- Smart self-cleaning fans
- Anti-PID solution to mitigate PV module degradation

Technical Datasheet

ASW 250K-HT

Input (DC)	Max. input voltage	1500V
	MPP voltage range / rated input voltage	500V - 1500 V / 1080 V
	Min. input voltage	500 V
	Start up input current	550 V
	Max. operating input current per MPP	75 A
	Max. short circuit current per MPP	113 A
	No. of independent MPPT inputs / strings per MPPT input	5 / 5
Output (AC)	AC output power	250000 VA @ 50°C
	AC nominal voltage	800 V
	AC voltage range	640 V - 920 V
	AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz
	Max. output current	198.5 A
	Adjustable power factor range	0.8 leading to 0.8 lagging
	Feed-in phases	3 / 3 - PE
	THD	< 3%
Efficiency	Max. efficiency / European efficiency	99.01 % / 98.52 %
Protection	Smart DC switch	●
	AC / DC temprature detection	●
	Anti-islanding protection	●
	AC overcurrent protection	●
	DC reverse-polarity protection	●
	AC short circuit protection	●
	PV string monitoring	●
	DC surge protection	Type II
	AC surge protection	Type II
	Residual Current Monitoring Unit (RCMU)	●
	Ground fault monitoring	●
	Grid monitoring	●
Anti-PID	○	
General data	Dimensions (W / H / D)	1,158 / 760 / 382 mm
	Weight	≤ 116.0 kg
	Operating temperature range	-30 °C ... +60 °C
	Self-consumption (at night)	< 5 W
	Topology	Non-isolated
	Cooling concept	Smart forced cooling
	Protection degree	IP66
	Relative humidity	0~100% (non-condensing)
	Max. operating altitude	5000 m (> 4000 m with derating)
Features	DC connector	DC Plug-in connector
	AC connector	OT / DT Terminal (Max.500mm ²)
	Display	LED , Bluetooth + APP
	USB	●
	Communication	RS485 / ABUS
Compliance	Certificates and approvals (more available on request)	IEC 62109-1/2, IEC 61727, IEC 62116, IEC 61683, IEC 60086, EN 50549-2

● standard features ○ optional features

Version: Dec 2024

*For reference only. Please refer to the official release for final content.

