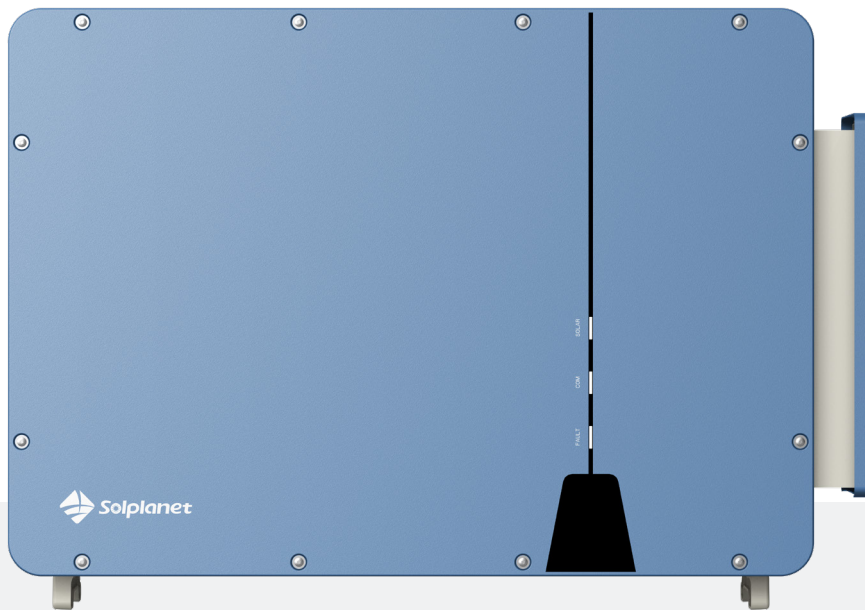


ASW HT Series



Models:
ASW250K-HT
ASW333K-HT
ASW350K-HT
ASW360K-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. 500mm² AC cables
- Night and day time reactive power control
- 75A 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

ASW250K-HT ASW333K-HT ASW350K-HT ASW360K-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 voltage	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	6 / 5		
Output (AC)	AC output power	250000 VA @ 50°C	333000 VA @ 40°C	352000 VA @30°C	363000 VA @ 30°C
				320000 VA @ 40°C	330000 VA @ 40°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	240.3 A	254.0 A	262.0 A
	Adjustable power factor range	0.8 leading to 0.8 lagging			
	Feed-in phases	3 / 3-PE			
THD	< 3%				
Effi- ciency	Max. efficiency / European efficiency	99.01 % / 98.52 %			
Efficiency & 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	≤ 117.0 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 (> 4000m with derating)			
Features	DC connector	DC Plug-in connector			
	AC connector	OT / DT Terminal (Max.500mm²)			
	Display	LED, Bluetooth + APP			
	USB	●			
	Communication	RS485 / ABUS			
Com- pliance	Certificates and approvals (more available on request)	IEC 62109-1/2, IEC 61727, IEC 62116, IEC 61683, IEC 60068, EN 50549-2			

● standard features / ○ optional features