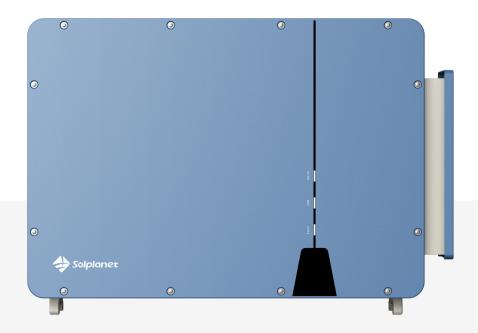
## **ASW HT Series**



Model: ASW 360K-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 mm<sup>2</sup> 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





Min. land voltage	160	chnical Datasheet	ASW 360K-H1
Min. imput. voltage		Max. input voltage	1500 V
Start up injunit voltage		MPP voltage range / rated input voltage	500V - 1500 V / 1080 V
Max. operating insuit current per MPP		Min. input voltage	500 V
Max. operating insuit current per MPP		Start up input voltage	550 V
AC output power	0		
AC output power  AC output power  AC nominal voltage  AC voltage range  AC paid frequency / range  Max. output current  262.0 A  AC paid frequency / range  Max. output current  262.0 A  AC paid frequency / range  Max. output current  262.0 A  AC voltage power factor range  CB leading to 0.8 leading to 0.8 leaging  Fred-in-phases  AC you per power factor range  AC you per power factor range  AC you per power factor of the paid of the	0		
AC output power	put	<u> </u>	
AC output power   330000 VA 68 40°C	=	No. of independent MPPT inputs / strings per MPPT input	6/5
AC nominal voltage		AC output power	
AC voltage range	-		
AC grid frequency / range   SO Hz / 45 Hz - 55 Hz			
Name		AC voltage range	
Max. output current		AC grid frequency / range	
Adjuntable power factor range   D.B leading to 0.B leggling		Max. output current	
Max. efficiency / European efficiency   99.01 % / 98.52 %	QC)	<u> </u>	
Nax. efficiency / European efficiency   99.01 % / 98.52 %	ut (		
Nax. efficiency / European efficiency   99.01 % / 98.52 %	utp		
Smart DC switch		ини	< 3%
AC / DC temprature detection	Effi cienc)	Max. efficiency / European efficiency	99.01 % / 98.52 %
Anti-standing protection  AC overcurrent protection  DC reverse-polarity protection  AC short circuit protection  PV string monitoring  DC surge protection  AC surge protection		Smart DC switch	•
AC overcurrent protection		AC / DC temprature detection	•
DC reverse-polarity protection		Anti-islanding protection	•
AC short circuit protection  PV string monitoring  DC surge protection  Residual Current Monitoring Unit (RCMU)  Ground fault monitoring  Anti-PID  Dimensions (W / H / D)  Weight  Operating temperature range  Self-consumption (at night)  Topology  Cooling concept  Protection degree  Relative humidity  DC connector  AC connector  DC Plug-in connector  AC connector  DC plug-in connector  AC connector  Display  USB  Communication  PV string monitoring  Type II  Counsuit factor  Type II  On  On  Tipe II  Type II  Counsuit factor  Type II  Self-consumption  Type II  On  On  Tipe II  Type II  On  On  Tipe II  Type II  Type II  On  On  Tipe II  Type II  On  On  Type II  Type II  Type II  Type II  On  On  Type II  Type II  On  On  Type II		AC overcurrent protection	•
AC short circuit protection  PV string monitoring  DC surge protection  Residual Current Monitoring Unit (RCMU)  Ground fault monitoring  Anti-PID  Dimensions (W / H / D)  Weight  Operating temperature range  Self-consumption (at night)  Topology  Cooling concept  Protection degree  Relative humidity  DC connector  AC connector  DC Plug-in connector  AC connector  DC plug-in connector  AC connector  Display  USB  Communication  PV string monitoring  Type II  Counsuit factor  Type II  On  On  Tipe II  Type II  Counsuit factor  Type II  Self-consumption  Type II  On  On  Tipe II  Type II  On  On  Tipe II  Type II  Type II  On  On  Tipe II  Type II  On  On  Type II  Type II  Type II  Type II  On  On  Type II  Type II  On  On  Type II		DC reverse-polarity protection	•
PV string monitoring			•
DC surge protection			
AC surge protection   Type II			
Residual Current Monitoring Unit (RCMU)			
Ground fault monitoring Grid monitoring  Anti-PID  Dimensions (W / H / D)  Veight  Operating temperature range Self-consumption (at night)  Topology  Cooling concept  Protection degree Relative humidity  Max. operating altitude  DC connector  AC connector  Display  Display  Display  DC communication  Ground fault monitoring  O   O  O  Anti-PID  O  O  1,158 / 760 / 382 mm  1,158 / 760 ° C  Self-consumption  O   Non-isolated  Smart forced cooling  Protection degree IP66  Relative humidity  O-100% (non-condensing)  Max. operating altitude  DC Plug-in connector  AC connector  OT / DT Terminal (Max.500mm²)  LED, Bluetooth + APP  USB  Communication  RS485 / ABUS	-		
Dimensions (W / H / D)  Weight  Operating temperature range Self-consumption (at night)  Topology Cooling concept Protection degree Relative humidity  DC connector AC connector AC connector Display  Dimensions (W / H / D)  1,158 / 760 / 382 mm  1,158 / 760 / 382 mm  4 17.0 kg  As 17.0 kg  As 17.0 kg  As 17.0 kg  As 0°C +60 °C  Smart forced cooling  Protection degree IP66  Relative humidity  O-100% (non-condensing)  DC connector AC connector AC connector AC connector DC Plug-in connector AC connector Display  LED , Bluetooth + APP  USB  Communication RS485 / ABUS	_		•
Dimensions (W / H / D)  Weight  Operating temperature range Self-consumption (at night)  Topology Cooling concept Protection degree Relative humidity  DC connector AC connector AC connector Display  Dimensions (W / H / D)  1,158 / 760 / 382 mm  1,158 / 760 / 382 mm  4 17.0 kg  As 17.0 kg  As 17.0 kg  As 17.0 kg  As 0°C +60 °C  Smart forced cooling  Protection degree IP66  Relative humidity  O-100% (non-condensing)  DC connector AC connector AC connector AC connector DC Plug-in connector AC connector Display  LED , Bluetooth + APP  USB  Communication RS485 / ABUS	tion	Ground fault monitoring	•
Dimensions (W / H / D)  Weight  Operating temperature range Self-consumption (at night)  Topology Cooling concept Protection degree Relative humidity  DC connector AC connector AC connector Display  Dimensions (W / H / D)  1,158 / 760 / 382 mm  1,158 / 760 / 382 mm  4 17.0 kg  As 17.0 kg  As 17.0 kg  As 17.0 kg  As 0°C +60 °C  Smart forced cooling  Protection degree IP66  Relative humidity  O-100% (non-condensing)  DC connector AC connector AC connector AC connector DC Plug-in connector AC connector Display  LED , Bluetooth + APP  USB  Communication RS485 / ABUS	otec	Grid monitoring	•
Weight  Operating temperature range  Self-consumption (at night)  Topology  Cooling concept  Protection degree Relative humidity  DC connector  AC connector  AC connector  Display  Display  Self-consumption (at night)  Communication  Smart forced cooling  Protection degree Relative humidity  DC connector  AC connector  DC Plug-in connector  AC connector  DC Plug-in connector  AC connector  Self-consumption (at night)  Cooling concept  Smart forced cooling  Protection degree  Relative humidity  DC connector  DC Plug-in connector  AC connector  DC Plug-in connector  AC connector  DC Plug-in connector  AC connector  Self-consumption (at night)  Cooling concept  Smart forced cooling  Protection degree  Relative humidity  DC connector  DC Plug-in connector  AC connector  DC Plug-in connector  AC connector  DC Plug-in connector  AC connector  Display  LED, Bluetooth + APP  Self-consumption (at night)  AC connector  Smart forced cooling  Protection degree  Relative humidity  D-100% (non-condensing)  DC connector  AC	Pr	Anti-PID	0
Operating temperature range  Self-consumption (at night)  Topology  Cooling concept  Protection degree  Relative humidity  DC connector  AC connector  DC Plug-in connector  AC connector  Display  USB  Communication  Operating temperature range  -30 °C +60 °C  S W  Non-isolated  Smart forced cooling  Portection degree  IP66  Relative humidity  O-100% (non-condensing)  DC plug-in connector  OT / DT Terminal (Max.500mm²)  LED , Bluetooth + APP  RS485 / ABUS		Dimensions (W / H / D)	1,158 / 760 / 382 mm
Self-consumption (at night)  Topology  Cooling concept  Protection degree  Relative humidity  Max. operating altitude  DC connector  AC connector  Display  LED , Bluetooth + APP  USB  Communication  Smart forced cooling  Non-isolated  Smart forced cooling  O~100% (non-condensing)  DO~100% (non-condensing)  DC Plug-in connector  OT / DT Terminal (Max.500mm²)  LED , Bluetooth + APP		Weight	≤ 117.0 kg
Topology  Cooling concept Protection degree Relative humidity  DC connector  AC connector  Display  Display  LED , Bluetooth + APP  USB  Communication  Non-isolated  Smart forced cooling  Protection degree  IP66  Relative humidity  O-100% (non-condensing)  DO Plug-in connector  OT / DT Terminal (Max.500mm²)  LED , Bluetooth + APP		Operating temperature range	-30 °C +60 °C
Cooling concept Protection degree Relative humidity Max. operating altitude DC connector AC connector AC connector Display Display LED , Bluetooth + APP USB Communication Smart forced cooling Smart forced cooling Protection degree IP66  Relative humidity O~100% (non-condensing) DO~100% (non-condensing) TO~100% (non-cond		Self-consumption (at night)	< 5 W
Cooling concept Protection degree Relative humidity Max. operating altitude DC connector AC connector AC connector Display Display LED , Bluetooth + APP USB Communication Smart forced cooling Smart forced cooling Protection degree IP66  Relative humidity O~100% (non-condensing) DO~100% (non-condensing) TO~100% (non-cond		Topology	Non-isolated Non-isolated
Protection degree Relative humidity O~100% (non-condensing)  Max. operating altitude DC connector AC connector OT / DT Terminal (Max.500mm²)  Display USB Communication RS485 / ABUS			
DC connector	data		
DC connector	sral	<del>-</del>	
DC connector	hene	·	
AC connector OT / DT Terminal (Max.500mm²)  Display LED , Bluetooth + APP  USB  Communication RS485 / ABUS	0		
Display  USB  Communication  LED , Bluetooth + APP   RS485 / ABUS			
USB • Communication • RS485 / ABUS		AC connector	
	es	Display	LED , Bluetooth + APP
	atuı	USB	•
		Communication	RS485 / ABUS
Certificates and approvals   IEC 62109-1/2, IEC 61727,   IEC 62116, IEC 61683,   IEC 60068, EN 50549-2	Com pliance	Certificates and approvals (more available on request)	IEC 62116, IEC 61683,

<sup>•</sup> standard features O optional features

Version: Jul 2025



 $<sup>\</sup>ensuremath{^{\star}}\xspace For reference only.$  Please refer to the official release for final content.