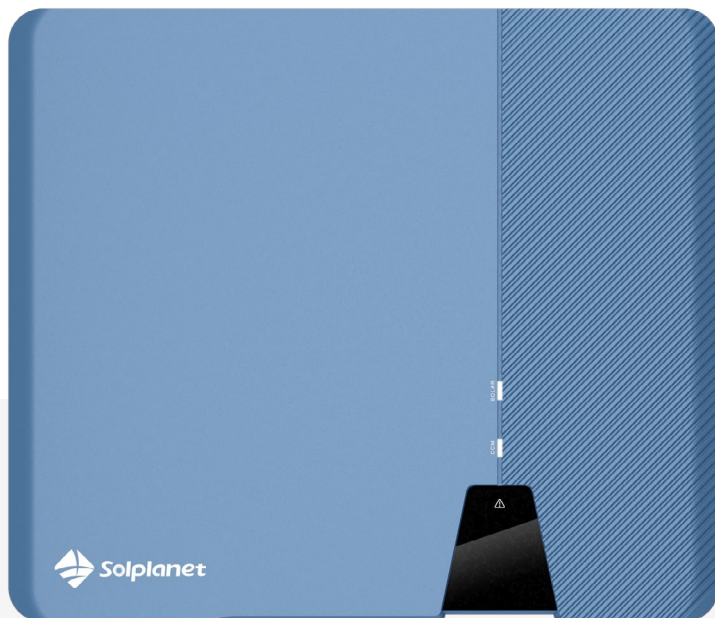


Three phase inverters 6 to 15 kW

ASW UT Series



Models:

ASW 6K-UT-G3

ASW 8K-UT-G3

ASW 10K-UT-G3

ASW 12K-UT-G3

ASW 15K-UT-G3



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use
- Arc fault current interrupter (AFCI)



User-friendly

- Max 40A MPPT input current, ideal for bifacial and large area PV modules
- 2 MPPT's for flexible PV array design
- ShadeSol shadow management

Technical Datasheet

ASW 6K-UT-G3

ASW 8K-UT-G3

ASW 10K-UT-G3

ASW 12K-UT-G3

ASW15K-UT-G3

	ASW 6K-UT-G3	ASW 8K-UT-G3	ASW 10K-UT-G3	ASW 12K-UT-G3	ASW15K-UT-G3	
Input (DC)	Max. PV array power	9000 Wp STC	12000 Wp STC	15000 Wp STC	18000 Wp STC	22500 Wp STC
	Max. input voltage	800 V				
	MPP voltage range / rated input voltage	180 V - 700 V / 360 V				
	Min. input voltage	125 V				
	Initial. feed-in voltage	180 V				
	Max. operating input current	20A/20A	32A/20A	32A/32A	32A/32A	40A/32A
	Max. short circuit current	25A/25A	40A/25A	40A/40A	40A/40A	50A/40A
No. of independent MPPT inputs / strings per MPPT input	2 / A:1;B:1	2 / A:2;B:1	2 / A:2;B:2	2 / A:2;B:2	2 / A:2;B:2	
Output (AC)	Rated active power	6000W	8000W	10000W	12000W	15000W
	Max active power	6000 W@230V	8000 W@230V	10000 W@230V	12000 W@230V	15000 W@230V
	Max. apparent power	6000VA@230V	8000VA@230V	10000VA@230V	12000VA@230V	15000VA@230V
	AC nominal voltage	133V/230V				
	AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz				
	Max. output current	15.1A	20.1A	25.1A	30.1A	37.7A
	Adjustable power factor range	0.8 leading to 0.8 lagging				
	Feed-in phases	3 / 3-PE				
	Harmonic distortion (THD) at rated output	< 3%				
	Max. efficiency / European efficiency	98.0%/97.5%				
Efficiency & Protection	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	●				
	Surge Protection	● / Type II				
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II				
	Arc fault current interrupter (AFCI)	○				
	Dimensions (W / H / D)	503 / 435 / 183 mm				
General data	Weight	18.6kg				
	Operating temperature range	-25°C ... +60°C				
	Self-consumption (at night)	< 1 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				
	Max. permissible value for relative humidity (non-condensing)	1-Jan				
	Max. operating altitude	3000 m				
	Features	DC connection	Plug-in connector			
AC connection		Plug-in connector				
Mounting type		Wall-mount bracket				
LED Indicators (Status / Fault / Communication)		●				
Communication interface ¹		Wi-Fi / LAN / RS485/4G(Optional)				
Country of manufacture		China				
Certificates and approvals(more available on request)		IEC 62109, IEC 61000-6, EN 62920, EN 50549-1				

● Standard features / ○ optional features / – not available

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters

Data at nominal conditions. All information is subject to change.

Version: June 2024

