

Three phase inverters 6 to 15 kW

# ASW UT-G3 Series



Models:

ASW6K-UT-G3

ASW8K-UT-G3

ASW10K-UT-G3

ASW12K-UT-G3

ASW15K-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



## 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

ASW6K-UT-G3 ASW8K-UT-G3 ASW10K-UT-G3 ASW12K-UT-G3 ASW15K-UT-G3

	ASW6K-UT-G3	ASW8K-UT-G3	ASW10K-UT-G3	ASW12K-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 to 700 V / 360 V				
	Min. input voltage	125 V				
	Initial. feed-in voltage	180 V				
	Max. operating input current	40 A / 32 A				
	Max. short circuit current	60 A / 48 A				
	No. of independent MPPT inputs / strings per MPPT input	2 / A:2;B:2				
Output (AC)	Rated active power	6000 W	8000 W	10000 W	12000 W	15000 W
	Max active power	6000 W@ 230V	8000 W@ 230V	10000 W@ 230V	12000 W@ 230V	15000 W@ 230V
	Max. apparent power	6000 VA@ 230V	8000 VA@ 230V	10000 VA@ 230V	12000 VA@ 230V	15000 VA@ 230V
	AC nominal voltage	133 V / 230 V	133 V / 230 V	133 V / 230 V	133 V / 230 V	133 V / 230 V
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz				
	Max. output current	15.1 A	20.1 A	25.1 A	30.1 A	37.7 A
	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				
	Dimensions (W / H / D)	503 / 435 / 183 mm				
General data	Weight	18.6 kg				
	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)	100%				
	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 <sup>1</sup>		●/●/●/○(RS485 / Wi-Fi / LAN / 4G)				
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.

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