

Three phase inverters 30 to 37.5 kW

ASW UT-G3 Series



Models:
ASW30K-UT-G3
ASW36K-UT-G3
ASW37.5K-UT-G3



Easy-to-install

- Phoenix Contact connectors for reliable tool - free DC connection
- Compact wall mount design
- Fuse - free design thereby reducing BOS cost
- Setup, commissioning and monitoring via the Solplanet app



Higher Yields

- 150 % PV array oversizing for higher yields
- Up to 4 MPPT's for flexible PV array design
- Max. 20 A input current per string, ideal for bifacial and large area PV modules
- ShadeSol - improved generation under non - ideal conditions
- Integrated PID Recovery for both P and N Type module



Reliable & Safe

- Type II AC & DC Surge Protection
- Integrated DC switches
- IP66 rated design for outdoor use
- 24 / 7 monitoring - no external devices required

Technical Datasheet

ASW30K-UT-G3

ASW36K-UT-G3

ASW37.5K-UT-G3

	ASW30K-UT-G3	ASW36K-UT-G3	ASW37.5K-UT-G3	
Input (DC)	Max. PV array power	45000 Wp STC	54000 Wp STC	56250 Wp STC
	Max. input voltage	800 V		
	MPP voltage range / rated input voltage	200 V - 800 V / 360 V		
	Min. input voltage	200 V		
	Initial. feed - in voltage	250 V		
	Max. operating input current	40 A / 32 A / 32 A / 40 A		
	Max. short circuit current	60 A / 48 A / 48 A / 60 A		
	No. of independent MPPT inputs / strings per MPPT input	4 / 2		
Output (AC)	Rated active power	30000 W	36000 W	37500 W
	Rated apparent power	33000 VA	36000 VA	37500 VA
	Max. apparent power	33000 VA	36000 VA	37500 VA
	AC nominal voltage	127 V / 220 V		
	AC voltage range	175 - 295 V		
	AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz		
	Max. output current	86.6 A	94.5 A	98.4 A
	Adjustable power factor range	0.8 leading to 0.8 lagging		
	Feed - in phases	3 / 3-N-PE		
	Harmonic distortion (THD) at rated output	<= 3 %		
	Efficiency & Protection	Max. efficiency / European efficiency	98.6 % / 98.3 %	
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		
Sunspec protocol		●		
Integrated PID recovery		○		
Arc fault current interrupter (AFCI)		○		
General data	Dimensions (W / H / D)	670 / 640 / 270 mm		
	Weight	40 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		
	Relative humidity (non - condensing)	100%		
	Max. operating altitude	4000 m		
Features	DC connection	Plug - in Connector		
	AC connection	OT / DT Connector		
	Mounting type	Wall - mount bracket		
	LED Indicators (Status / Fault / Communication)	●		
	Communication interface ²	● / ● / ○ / ○ (RS485 / Wi-Fi / LAN / 4G)		
	Country of manufacture	China		
	Certificates and approvals (more available on request)	CE, IEC 62109 - 1 / 2, IEC 61727, IEC 62116, IEC61683, G98 / G99, VDE4110, VED4105, EN50549 - 1 / 2		

● Standard features / ○ optional features / – not available

1- For European and AS / NZS4777 grid codes the max. apparent AC power is equal to the rated power

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

Version: Mar 2023

