

Three phase inverters 30 to 40 kW

ASW UT-G3 Series



Models:

ASW30K-UT-G3

ASW33K-UT-G3

ASW36K-UT-G3

ASW40K-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

ASW33K-UT-G3

ASW36K-UT-G3

ASW40K-UT-G3

	ASW30K-UT-G3	ASW33K-UT-G3	ASW36K-UT-G3	ASW40K-UT-G3	
Input (DC)	Max. PV array power	45000 Wp STC	49500 Wp STC	54000 Wp STC	60000 Wp STC
	Max. input voltage	800 V			
	MPP voltage range / rated input voltage	200 V to 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	33000 W	36000 W	40000 W
	Rated apparent power	30000 VA	33000 VA	36000 VA	40000 VA
	Max. apparent power	30000 VA	33000 VA	36000 VA	40000 VA
	AC nominal voltage	133 V / 230 V	133 V / 230 V	133 V / 230 V	133 V / 230 V
	AC voltage range	175 to 295 V			
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz			
	Max. output current	75.3 A	82.8 A	90.4 A	100.4 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 %			
	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 ¹	●/●/●/○(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- 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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