




	Solplanet	Solplanet	Solplanet
Product name	ASW8000-T	ASW8K-LT-G2	ASW8K-LT-G2 Pro
Efficiency & Protection			
Max. Efficiency	98.3%	98.6%	98.6%
European Efficiency	98.0%	98.2%	98.2%
DC/AC ratio	150%	150%	150%
Shadow management	No	Yes*	Yes
AFCI	No	No	Yes*
Input (DC)			
Max PV Power	12000 W	12000 W	12000 W
Max. Input Voltage	1000 V	1100 V	1100 V
Max. Current per MPPT	12 A	13 A	16 A
Start Voltage	130 V	125 V	125 V
Max. Short Circuit Current per MPPT	18A	20 A	25 A
MPP voltage range / rated input voltage	125 V - 950 V / 630 V	150 V - 1000 V / 630 V	150 V - 1000 V / 630 V
Number of Inputs	2	2	2
Number of MPP Trackers	2	2	2
Output (AC)			
Rated AC Active Power	8000 W	8000 W	8000 W
Max. AC Apparent Power	8000 VA	8000 VA	8000 VA
Rated Output Voltage	220/230/240V	220/230/240V	220/230/240V
Rated AC Grid Frequency	50-60 (±5) HZ	50-60 (±5) HZ	50-60 (±5) HZ
Max. Output Current	13.3 A	12.8A	12.8A
Adjustable Power Factor Range	-0.8 ~ 0.8	-0.8 ~ 0.8	-0.8 ~ 0.8
Max. Total Harmonic Distortion	< 3%	< 3%	< 3%
General data			
Display	LED	LED	LED
Communication	WiFi/RS485	WiFi/4G/RS485	WiFi/4G/RS485
Dimensions (W x H x D)	424/375/172	503/435/183	503/435/183
Weight	15 kg	17.3 kg	17.3 kg
DC Connector	SunClix	Phoenix Contact	Phoenix Contact
Operating Temperature Range	-25 ~ +60	-25 ~ +60	-25 ~ +60
Cooling Method	Active Convection	Nature Convection	Nature Convection
Relative Humidity	100%	100%	100%
Protection Degree	IP65	IP66	IP66
Self-consumption	<1 W	<1 W	<1 W

APP	Solplanet	Solplanet	Solplanet
Cloud	AisweiCloud.com	AisweiCloud.com	AisweiCloud.com
Picture			

Supplementary explanation

1. For most performance parameters, all series are similar but...
2. ASW LT-G2 have an increased DC current input (G2 – 13 A, G2 Pro – 16 A), thanks to which they are adapted to the latest generation of large solar panels.
3. ASW LT-G2 & G2 Pro series are characterized by a wide MPPT starting voltage range, from 150V to 1000V.
4. ASW LT-G2 Pro series are with Shadow Management function to optimize performance under shadow. Also will have AFCI too.
5. For cooling method, ASW T uses Active convection, which contributes to better cooling effect, especially in summer. ASW LT-G2 and G2 uses natural convection, which makes less noise.
6. Input Voltage is 1100 V for ASW LT-G2/G2 Pro and 1000 W for ASW T.
7. From DC side, ASW LT-G2/G2 Pro has wider voltage range and lower start voltage, which contributes more energy when the sunlight is not sufficiency, like morning or dusk.
8. For DC connectors, Solplanet uses SunClix/Phonix Contact. During the installation, there is no need to use special crimping tool for installer, but Amphenol need. And for many installer, the connectors they use are other brand MC4 connectors, which is not perfect compatible with Amphenol, in the long-term, there is potential fire risk.
9. 150% DC/AC ratio in all series
10. For shape and weight, Solplanet products are small and light, which is easier to transport and to install. Moreover, casing of ASW LT-G2/G2 Pro was honored with the Red Dot Design 2021 award for exceptional design.
11. For quality, Solplanet purchase and apply high quality components in the product. The introduction of several production lines at the same time is aimed at ensuring the availability of products. Each series is made in cooperation with other component suppliers in order to minimize the risk of their lack (diversification).