



LOW VOLTAGE HYBRID INVERTER (SINGLE PHASE)

ASG-6SL-ZL-G2-PLUS

ASG-8SL-ZL-G2

ASG-10SL-ZL-G2



High Efficiency

- » Wide MPPT voltage range for increased power generation
- » Max. string current 20A, suitable for high-current/double-sided components



Smart

- » Supports remote diagnostics and software updates
- » Easy to set up intelligent working modes
- » Compatible with diesel generators, can control the generator automatically start and stop



User-Friendly

- » <4ms UPS-level switching
- » Smart load dual output interface protection
- » 8 editable charge/discharge times



Safe & Reliable

- » Supports I-V curve scanning, accurately identifying string anomalies
- » Intelligent AFCI reduces fire risk (Optional)



Economical & Cost-Saving

- » Supports grid-connected and off-grid AC coupled access

AUX GROUP

Established in 1986, AUX Group is an enterprise which covers 5 industries. It ranked China's top 500 enterprises for consecutive years, 40000+ employees keep AUX fast development for recent years.

40

Years

History

\$12

Billion

Revenue in 2025

5

Business Industries

\$11.2

Billion

Assets

500

China's Top

40000+

Employees

AUXSOL

Advance Unlimited X-tra Green Power

Ningbo AUX Solar Import & Export Co., Ltd.

No. 518, Xinmei Road, Yinzhou District, Ningbo City,
Zhejiang Province, China



✉ info@auxsol.com

🌐 www.auxsol.com

☎ +86 0574-8765 2201

	ASC-6SL-ZL-G2-PLUS	ASC-8SL-ZL-G2	ASC-10SL-ZL-G2
PV INPUT			
Max.input power	12kW	16kW	20kW
Max.input voltage		550V	
Rated voltage		360V	
Start-up voltage		60V	
MPPT voltage range		90-450V	
MPPT number	2	2	
Max. input strings number	2*2	2*2	
Max.input current	20A/20A	32A/32A	
Max.short circuit current	30A/30A	40A/40A	
BATTERY			
Battery type		Li-ion / Lead-acid	
Battery voltage Range		40-60V	
Number of battery input channels		1	
Max. charge / discharge current	135A	190A	210A
Communication		CAN/RS485	
Charging Strategy for Li-Ion Battery		Self-adaption to BMS	
OUTPUT AC (Grid Side)			
Rated output power	6kW	8kW	10kW
Max. apparent output power	6.6kVA	8.8kVA	11kVA
Rated current	26.1A	34.8A	43.5A
Max. output current	28.7A	38.3A	47.8A
Rated grid voltage		1/N/PE,220V/230V	
Rated grid frequency		50/60Hz	
Power Factor		>0.99 (0.8 leading - 0.8 lagging)	
THDi		<3%	
INPUT AC (Grid Side)			
Rated input power	6kW	8kW	10kW
Max. input power	6.6kVA	11.5kW	11.5kW
Max. input current	40A	50A	50A
Rated input voltage		1/N/PE,220V/230V	
Rated input frequency		50/60Hz	
OUTPUT AC (Back-up)			
Rated output power	6kW	8kW	10kW
Max. output current	28.7A	38.3A	43.5A
Max.output power		2 times of rated power, 10 s	
Back-up switch time		< 4ms	
Rated output voltage		220V/230V	
Rated frequency		50/60Hz	
THDv		<3%	
EFFICIENCY			
MPPT Efficiency		99.80%	
Max.efficiency		97.70%	
EU efficiency		96.70%	
Max. BAT charged/discharged efficiency		95.3% / 93.9%	
PROTECTION			
Integrated DC switch		Yes	
DC reverse-polarity protection		Yes	
Anti-islanding protection		Yes	
Insulation impedance detection		Yes	
Ground Fault Monitoring		Yes	
Residual leakage current detection		Yes	
short-circuit protection		Yes	
DC/AC Surge protection		DC Type II / AC Type II	
DC arc-fault circuit protection		Optional	
GENERAL DATA			
Dimensions (W*H*D)		350*467*228 mm	
Weight		24kg	
Self consumption(night)		≤20W	
Operating temperature range		-40 to +60 ℃	
Cooling concept		Smart Fan Cooling	
Max. operation altitude		4000m(Derating above 3000m)	
Relative humidity		0~100%	
Ingress protection		IP 66	
Topology Structure		Transformerless	
Type of DC terminal		MC4 connector	
Battery connection type		Compression type terminal	
Type of AC terminal (Back-up)		Compression type terminal	
Type of AC terminal (Grid side)		Compression type terminal	
DISPLAY&COMMUNICATION			
Display		LCD,Bluetooth+APP	
Communication		Standard:RS485 WiFi Optional:WLAN	

Note: The specification and key features described in this datasheet may deviate slightly and are not guaranteed. AUXSOL reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet, any commercial contracts that may be signed will be based on the most recent version at the moment of signing the contract.