

LOW VOLTAGE HYBRID INVERTER

(SINGLE PHASE)

ASG-(8-10)SL-ZL-G2

KEY FEATURES



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 & stop



User-Friendly

- » <4ms UPS-level switching
- » Smart load dual output interface protection
- » 6 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

\$11.8

Billion

Revenue in 2025

5

Business Industries

\$9.6

Billion

Assets

500

China's Top

40000+

Employees

AUXSOL

WIN A GREEN FUTURE TOGETHER

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

	ASG-8SL-ZL-G2	ASG-10SL-ZL-G2
PV Input		
Max. PV access power	16kW	20kW
Max. PV input power	12kW	15kW
Max. input voltage	550V	
Rated PV input voltage	360V	
Start-up voltage	60V	
MPPT voltage range	90-450V	
MPPT number	2	
Max. input strings number	4	
Max. PV input current	32A/32A	
Max. short circuit current	40A/40A	
Battery		
Battery type	Lead-acid or Li-ion	
Rated battery voltage	48V	
Battery voltage range	40-60V	
Max. charge / discharge current	190A/190A	210A/210A
Communication	CAN/RS485	
Charging strategy for Li-Ion battery	Self-adaption to BMS	
AC Output		
Rated output power	8kW	10kW
Max. apparent output power	8.8kVA	11kVA
Rated current	34.8A	43.5A
Max. output current	38.3A	47.8A
Rated grid voltage	220V/230V,L/N/PE	
Output voltage range	160V-300V	
Rated output frequency/ frequency range	50Hz/60Hz (±5Hz)	
Power factor	>0.99 (0.8 leading - 0.8 lagging)	
THDi	<3%	
AC Input		
Rated input power	8kW	10kW
Max. input power	11.5kW	11.5kW
Max. input current	50A	
Bypass current	50A	
Rated input frequency	50/60Hz	
Rated input voltage	220V/230V,L/N/PE	
BACK-UP Output		
Rated output power	8kW	10kW
Max. output current	38.3A	43.5A
Max. ouput power	2 times of rated power, 10 s	
Rated output voltage	220V/230V,L/N/PE	
Rated output frequency	50/60Hz	
Back-up switch time	<4ms	
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	
Insulation impedance detection	Yes	
Residual leakage current detection	Yes	
Ground fault monitoring	Yes	
Short circuit protection	Yes	
Anti-islanding protection	Yes	
DC/AC surge protection	DC:Type II;AC:Type II	
DC arc-fault circuit protection	Optional	
I/V curve scanning	Yes	
Parallel connection number of inverter	Max.16	
General		
Operating temperature range	-40 to +60C	
Max. operation altitude	4000m(Derating above 3000m)	
Relative humidity	0~100%	
Cooling concept	Smart Fan Cooling	
Ingress protection	IP 66	
Topology	Transformerless	
Self consumption(night)	≤20W	
Dimensions (W*H*D)	350*467*228mm	
Weight	24kg	
Type of PV terminal	MC4 connector	
Type of AC terminal (Grid side)	Terminal	
Communication		
Display	LCD+LED+Bluetooth+APP	
Communication	WIFI+Bluetooth,Optional:LAN ; BMS:RS485/CAN	
Certification		
Grid standards	IEC 61727/62116,IEC 61683,NRS 097,EN 50549,PEA	
Safety/EMC	IEC/EN 62109-1/2,IEC/EN 62477-1, EN IEC61000-6-1/2/3/4, EN IEC 61000-3-11/12	

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