

LOW VOLTAGE HYBRID INVERTER

(SINGLE PHASE)

ASG-(8-10)SL-ZL



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.

39 Years History	\$12.6 Billion Revenue in 2024	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	ASG-10SL-ZL
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	
Max. PV input current	32A/32A	
Max. short circuit current	40A/40A	
MPPT number/Max. input strings number	2/4	
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 output current	34.8A	43.5A
Max.output current	38.3A	47.8A
Rated output 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	
Rated input frequency	220V/230V,L/N/PE	
Rated input voltage	50/60Hz	
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%	
BAT charged/discharged Max. 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*560*237mm	
Weight	25kg	
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	

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.