



LOW VOLTAGE HYBRID INVERTER (SINGLE PHASE)

ASG-3.6SL-ZL-G2

ASG-4SL-ZL-G2

ASG-6SL-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

- » <3ms 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

\$12

Billion

Revenue in 2025

5

Business Industries

\$11.2

Billion

Assets

500

China's Top

40000+

Employees

AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ASG-3.6SL-ZL-G2	ASG-4SL-ZL-G2	ASG-6SL-ZL-G2
PV INPUT			
Max. input power	7.2kW	8kW	12kW
Max.input voltage		550V	
Rated voltage		360V	
Start-up voltage		60V	
MPPT voltage range		90-500V	
Max.input current		20A/20A	
Max.short circuit current		30A/30A	
MPPT number		2	
Max. input strings number		2	
BATTERY			
Battery type		Li-ion / Lead-acid	
Battery voltage range		40-60V	
Max. charge / discharge current	90A	100A	135A
Communication		CAN/RS485	
Charging strategy for Li-Ion battery		Self-adaption to BMS	
OUTPUT AC (Grid Side)			
Rated output power	3.6kW	4kW	6kW
Max. apparent output power	3.96kVA	4.4kVA	6.6kVA
Max. output current	17.2A	19.1A	28.7A
Grid voltage range		160V-300V	
Rated grid voltage		1/N/PE,220V/230V	
Rated grid frequency		50Hz/60Hz	
Power Factor		>0.99 (08 leading~0.8 lagging)	
THDi		<3%	
INPUT AC (Grid Side)			
Rated input power	3.6kW	4kW	6kW
Max. apparent input power	3.6kVA	4kVA	6kVA
Max. input current	16.3A	18.2A	27.3A
Max. Continuous AC Passthrough (grid to load)		35A	
Rated input voltage		1/N/PE, 220 V / 230 V	
Rated input frequency		50Hz/60Hz (±5Hz)	
OUTPUT AC (Back-up)			
Rated input power	3.6kW	4kW	6kW
Max. apparent input power	16.3A	18.2A	27.3A
Max. input current		<3ms	
Max. Continuous AC Passthrough (grid to load)		220V/230V	
Rated input voltage		50 Hz / 60 Hz	
Rated input frequency		<2%	
EFFICIENCY			
Max.efficiency		97.7%	
EU efficiency		97.6%	
BAT charged/discharged Max. efficiency		95.3% / 93.9%	
MPPT Efficiency		≥99.9%	
PROTECTION			
Integrated DC switch		Yes	
DC rever-polarity protection		Yes	
Battery reverse protection		Yes	
Anti-islanding protection		Yes	
Insulation impedance detection		Yes	
Ground fault monitoring		Yes	
Residual leakage current detection		Yes	
DC/AC Surge protection		DC Type II / AC Type II	
DC arc-fault circuit protection		Optional	
Parallel connection number of inverter		16	
GENERAL DATA			
Dimensions (W*H*D)		324*444*221.5 mm	
Weight		14.6 kg	
Self consumption(night) (Rated voltage)		≤20W	
Operating temperature range		-40 to +60 C (Derating@50 C)	
Cooling concept		Smart Fan Cooling	
Max. operation altitude		≤4000m	
Relative humidity		0-100%	
Ingress protection		IP66	
Topology structure		Transformerless	
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/4G	

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.