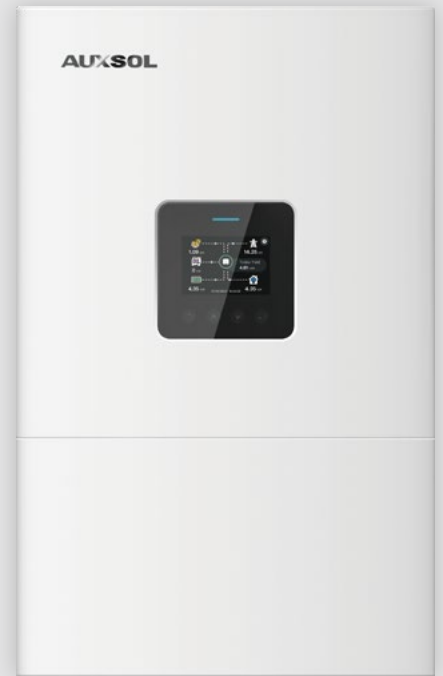


# LOW VOLTAGE HYBRID INVERTER

(THREE PHASE)

ASG-(8-15)TL-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.

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

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	ASG-8TL-ZL	ASG-10TL-ZL	ASG-12TL-ZL	ASG-15TL-ZL
<b>PV INPUT</b>				
Max. PV access power	16kW	20kW	24kW	30kW
Max. PV input power	12kW	15kW	18kW	22.5kW
Max. input voltage	1000V			
Rated PV input voltage	600V			
Start-up voltage	160V			
MPPT voltage range	170-900V			
Max. PV input current	26A/26A			36A/36A
Max. short circuit current	32A/32A			45A/45A
MPPT number/Max. input strings number	2/4			
<b>BATTERY</b>				
Battery type	Lead-acid or Li-ion			
Rated battery voltage	48V			
Battery voltage range	40-60V			
Max. charge / discharge current	190A/190A	210A/210A	250A/250A	300A/300A
Communication	CAN/RS485			
Charging strategy for Li-Ion battery	Self-adaption to BMS			
<b>AC OUTPUT</b>				
Rated output power	8kW	10kW	12kW	15kW
Max. apparent output power	8kVA	10kVA	12kVA	15kVA
Rated output current	12.1A	14.5A	17.4A	22.7A
Rated output voltage	220V/380V,230V/400V,3L/N/PE			
Output voltage range	165-288V(Phase voltage),286-498V(Line voltage)			
Rated output frequency/ frequency range	50Hz/60Hz (±5Hz)			
Power factor	>0.99 (0.8 leading - 0.8 lagging)			
THDi	<3%			
<b>AC INPUT</b>				
Rated input power	8kW	10kW	12kW	15kW
Max. input power	16kW	20kW	24kW	30kW
Max. input current	24.2A	30.3A	36.4A	45.6A
Rated input voltage	220V/380V,230V/400V,3L/N/PE			
Rated input frequency	50/60Hz			
<b>BACK-UP OUTPUT</b>				
Rated output power	8kW	10kW	12kW	15kW
Max. output current	12.1A	15.2A	18.2A	22.7A
Max. ouput power	2 times of rated power, 10 s			
Rated output voltage	220V/380V,230V/400V,3L/N/PE			
Rated output frequency	50/60Hz			
Back-up switch time	<4ms			
THDv	<3%			
<b>EFFICIENCY</b>				
MPPT efficiency	99.80%			
Max. efficiency	97.34%			
EU efficiency	96.45%			
BAT charged/discharged Max. efficiency	93.90%			
<b>PROTECTION</b>				
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			
<b>GENERAL</b>				
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)	370*650*253mm			370*650*293mm
Weight	37kg			
Type of PV terminal	MC4 connector			
Type of AC terminal (Grid side)	Terminal			
<b>COMMUNICATION</b>				
Display	LCD+LED+Bluetooth+APP			
Communication	WIFI+Bluetooth,Optional:GPRS,LAN ;BMS:RS485/CAN			
<b>CERTIFICATION</b>				
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.