

LOW VOLTAGE HYBRID INVERTER

(THREE PHASE)

ASG-10TL-ZL

ASG-12TL-ZL

ASG-15TL-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 and 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.



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

PV INPUT	
Max. PV access power	30kW
Max. PV input power	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
Max. short circuit current	32A/32A
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	300A/300A
Communication	CAN/RS485
Charging strategy for Li-Ion battery	Self-adaption to BMS
AC OUTPUT	
Rated output power	15kW
Max. apparent output power	15kVA
Rated output current	22.7A
Max. output current	34.2A
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%
AC INPUT	
Rated input power	15kW
Max. input power	30kW
Max. input current	45.6A
Rated input voltage	220V/380V,230V/400V,3L/N/PE
Rated input frequency	50/60Hz
BACK-UP OUTPUT	
Rated output power	15kW
Max. output current	22.7A
Max. output 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%
EFFICIENCY	
MPPT efficiency	99.80%
Max. efficiency	97.34%
EU efficiency	96.45%
BAT charged/discharged Max. efficiency	93.90%
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 +60°C
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)	380*625*270mm
Weight	39kg
Type of PV terminal	MC4 connector
Type of AC terminal (Grid side)	Terminal
COMMUNICATION	
Display	LCD+LED+Bluetooth+APP
Communication	WIFI+Bluetooth,Optional:GPRS,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.