

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.

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

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. 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%

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 +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)	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