

THREE PHASE ON-GRID INVERTER

ASN-15TL-LV



KEY FEATURES



High Efficiency

- » Max. MPPT current 32A, suitable for high-current/double-sided components
- » Wide MPPT voltage range to increase power generation for more PV revenue



Smart

- » Edge-damped control algorithm, adaptive to weak grid environment
- » Supports 24-hour load uninterruptible power monitoring (Optional)
- » Integrated Intelligent Management System



User-Friendly

- » Support RS485, WiFi, 4G, LAN, Suspec different communication methods
- » Quick sweep access to AUXSOL Cloud, support remote upgrade and setup



Safe & Reliable

- » Supports I-V curve scanning, accurately identifying string anomalies
- » Intelligent AFCI reduces fire risk
- » Pure film capacitors with a 25-year design lifespan



Economical & Cost-Saving

- » Intelligent string monitoring, rapid identification of faulty strings, reducing safety risks (Optional)
- » Supports high power component access, low system installation and cable costs

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.

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Years

History

\$11.8

Billion

Revenue in 2025

5

Business Industries

\$9.6

Billion

Assets

500

China's Top

40000+

Employees

AUXSOL

Advance Unlimited X-tra Green Power

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ASN-15TL-LV	
PV INPUT	
Max. PV input power	22.5kW
Max. PV input voltage	800V
Rated PV input voltage	360V
Start-up voltage	200V
MPPT voltage range	200-800V
Max. PV input current	32A/32A
Max. short circuit current	40A/40A
MPPT number/Max. input strings number	2/4
AC OUTPUT	
Rated output power	15kW
Max. apparent output power	15kVA
Rated output voltage	127/220V,3L/N/PE
Output voltage range	103-159(Phase voltage),178-276V(Line voltage)
Rated output frequency/ frequency range	50/60Hz(±5Hz)
Rated output current	39.4A
Max. output current	39.4A
Power factor	>0.99 (0.8 leading ... 0.8 lagging)
THDi	<3%
EFFICIENCY	
MPPT efficiency	99.80%
Max. efficiency	98.50%
EU efficiency	98.00%
PROTECTION	
Integrated DC switch	Yes
DC rever-polarity protection	Yes
String monitoring	Optional
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	Yes
I/V curve scanning	Yes
GENERAL	
Operating temperature range	-30...+60C
Max. operation altitude	4000m (Derating above 3000m)
Relative humidity	0-100%
Cooling concept	Smart Fan Cooling
Ingress protection	IP66
Topology	Transformerless
Night self consumption	<1W
Dimensions (W*H*D)	455*462*214mm
Weight	≤25kg
COMMUNICATION	
Display	LED+Bluetooth+APP (Optional:LCD)
Communication	RS485,Optional:WIFI,4G,LAN

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.