

# THREE PHASE ON-GRID INVERTER

ASN-(10-15)TL-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.

39 Years History	\$12.4 Billion Revenue in 2024	5 Business Industries
\$9.6 Billion Assets	500 China's Top	40000+ Employees

## AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ASN-10TL-LV	ASN-12TL-LV	ASN-15TL-LV
PV INPUT			
Max. PV input power	15kW	18kW	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	10kW	12kW	15kW
Max. apparent output power	11kVA	13.2kVA	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	26.2A	31.5A	39.4A
Max. output current	28.9A	34.6A	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...+60 C		
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		
CERTIFICATION			
Grid standards	EN50549-1,PN-EN 50549-1 ,PSE, PTPIREE, RD647,RD413,RD1699,UNE 217001/2, NTS631,NC RfG,INMETRO 140,INMETRO 515		
Safety/EMC	IEC/EN 62109-1/2,EN IEC61000-6-2/4,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.