

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 uninterrupted 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.

<p>40 Years</p> <p>History</p>	<p>\$11.8 Billion</p> <p>Revenue in 2025</p>	<p>5</p> <p>Business Industries</p>
<p>\$9.6 Billion</p> <p>Assets</p>	<p>500</p> <p>China's Top</p>	<p>40000+</p> <p>Employees</p>

AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ASN-10TL-LV	ASN-15TL-LV
PV INPUT		
Max. PV input power	15kW	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	15kW
Max. apparent output power	11kVA	15kVA
Rated output current	26.2A	39.4A
Max. output current	28.9A	39.4A
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)	
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 reverse-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	20.5kg	
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.