AUXSOL

2026_08

THREE PHASE ON-GRID INVERTER

ASN-12TL | ASN-15TL | ASN-20TL | ASN-25TL



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

» Ultra-wide grid voltage design with automatic voltage regulation technology ensures uninterrupted operation even under unstable grid conditions
» 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

» Intelligent AFCI reduces fire risk (Optional)
» Pure film capacitors with a 25-year design lifespan.

Economical & Cost-Saving

» 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.

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

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Advance Unlimited X-tra Green Power

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	ASN-12TL	ASN-15TL	ASN-20TL	ASN-25TL
PV INPUT				
Max. PV input power	18kW	22kW	26kW	32kW
Max. PV input voltage	1100V			
Rated PV input voltage	620V			
Start-up voltage	200V			
MPPT voltage range	200-1000V			
Max. PV input current	16A/16A	32A/16A	32A/32A	
Max. short circuit current	20A/20A	40A/20A	40A/40A	
MPPT number/Max. input strings number	2/2	2/3	2/4	
AC OUTPUT				
Rated output power	12kW	15kW	20kW	25kW
Max. apparent output power	13.2kVA	16.5kVA	22kVA	27.5kVA
Rated output voltage	220V/380V,230V/400V,3L/N/PE			
Output voltage range	178V-276V(Phase voltage),308-478(Line voltage)			
Rated output frequency/ frequency range	50Hz/60Hz (±5Hz)			
Rated output current	18.2A	22.8A	30.3A	37.8A
Max. output current	20.1A	25.1A	33.3A	39.8A
Power factor	>0.99 (0.8 leading ... 0.8 lagging)			
THDi	<3%			
EFFICIENCY				
MPPT efficiency	99.80%			
Max. efficiency	98.30%	98.50%		
EU efficiency	97.70%	97.80%	98%	
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	Optional			
I/V curve scanning	Yes			
GENERAL				
Operating temperature range	-30...+60℃			
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	23.5kg			
COMMUNICATION				
Display	LED+Bluetooth+APP			
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 recentversion at the moment of signing the contract.