

THREE PHASE ON-GRID INVERTER

ASN-(50-75)TL-LV-PLUS



KEY FEATURES



High Efficiency

- » Max. MPPT current 4A, suitable for high-current/double-sided components
- » 195V low start-up voltage enables early startup and more energy generation



Smart

- » Ultra-wide grid voltage design with automatic voltage regulation technology ensures uninterrupted operation even under unstable grid conditions
- » PID repair function to enhance system power generation (Optional)



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 (Optional)



Economical & Cost-Saving

- » Intelligent string monitoring, rapid identification of faulty strings, reducing safety risks (Optional)
- » 8-way MPPT design to accommodate multi-orientation roofs
- » Meter can realize multi-machine backflow prevention function

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

AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ASN-50TL-LV-PLUS	ASN-75TL-LV-PLUS
PV INPUT		
Max. PV input power	75kW	112.5kW
Max. PV input voltage	800V	
Rated PV input voltage	420V	
Start-up voltage	195V	
MPPT voltage range	180-800V	
Max. PV input current	40A*5	40A*8
Max. short circuit current	50A*5	50A*8
MPPT number/Max. input strings number	5/10	8/16
AC OUTPUT		
Rated output power	50kW	75kW
Max. apparent output power	55kVA	75kVA
Rated output current	131.2A	196.8A
Max. output current	144.3A	196.8A
Rated output voltage	127/220V,3L/N/PE	
Output voltage range	92-173(Phase voltage),160-300V(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	98.65%	
EU efficiency	98.35%	
PROTECTION		
Integrated DC switch	Yes	
DC reverse-polarity protection	Yes	
String monitoring	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(Optional:Type I)	
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	<2W	
Dimensions (W*H*D)	1007*668*341mm	
Weight	83.4kg	
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	