

THREE PHASE ON-GRID INVERTER

ASN-(50-80)TL-G2



KEY FEATURES



High Efficiency

- » Single MPPT supports a Max. current of 48A, single string supports a Max. current of 20A, compatible with 210 large modules
- » 180V 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)
- » No power derating at 45°C, more reliable with more yield

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	\$12.6 Billion Revenue in 2024	5 Business Industries
\$9.6 Billion Assets	500 China's Top	40000+ Employees

AUXSOL

WIN A GREEN FUTURE TOGETHER

Ningbo AUX Solar Import & Export Co., Ltd.

No. 518, Xinmei Road, Yinzhou District, Ningbo City, Zhejiang Province, China



✉ info@auxsol.com
 🌐 www.auxsol.com
 ☎ +86 0574-8765 2201

	ASN-50TL-G2	ASN-60TL-G2	ASN-75TL-G2	ASN-80TL-G2
PV INPUT				
Max. PV input power	75kW	90kW	112.5kW	120kW
Max. PV input voltage	1100V			
Rated PV input voltage	630V			
Start-up voltage	180V			
MPPT voltage range	150-1000V			
Max. PV input current	4*40A		4*48A	
Max.short circuit current	4*50A		4*60A	
MPPT number/Max. input strings number	4/8		4/12	
AC OUTPUT				
Rated output power	50kW	60kW	75kW	80kW
Max. apparent output power	55kVA	66kVA	82.5kVA	88kVA
Rated output current	72.2A	86.6A	108.3A	115.5A
Max. output current	79.4A	95.3A	119.1A	127A
Rated output voltage	220V/380V,230V/400V,3L/N/PE			
Output voltage range	162-300V(Phase voltage),280-520V(Line voltage)			
Rated output frequency/ frequency range	50Hz/60Hz (±5Hz)			
Power factor	>0.99 (0.8 leading ... 0.8 lagging)			
THDi	<3%			
EFFICIENCY				
MPPT efficiency	99.8%			
Max. efficiency	98.60%			
EU efficiency	98.30%			
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			
PID recovery	Optional			
DC arc-fault circuit protection	Optional			
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)	735*530*285mm			
Weight	60kg			
COMMUNICATION				
Display	LED+Bluetooth+APP(Optional:LCD)			
Communication	RS485,Optional:WIFI,4G,LAN			
CERTIFICATION				
Grid standards	EN 50549-1, IEC 61727/62116,IEC 61683,VDE 4105,PORTARIA N°515(50K,60K),PEA,NCRfG,DEWA			
Safety/EMC	IEC/EN 62109-1/2,EN IEC61000-6-1/2/3/4,EN IEC 61000-3-11/12			