



THREE PHASE ON-GRID INVERTER

ASN-60TL-G2

ASN-75TL-G2

ASN-80TL-G2



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

	ASN-60TL-G2	ASN-75TL-G2	ASN-80TL-G2
PV INPUT			
Max. input power	90kW	112.5kW	120kW
Max. input voltage		1100V	
Rated voltage		630V	
Start-up voltage		180V	
MPPT voltage range		150-1000V	
Max. input current		48A*4	
Max. short circuit current		60A*4	
MPPT number		4	
Max. input strings number		12	
AC OUTPUT			
Rated output power	60kW	75kW	80kW
Max. apparent output power	66kVA	82.5kVA	88kVA
Max. output power	66kW	82.5kW	88kW
Rated grid output current	86.6A	108.3A	115.5A
Max. output current	95.3A	119.1A	127A
Rated grid voltage	220V/380V,230V/400V,3/N/PE		
Grid voltage range	162-300V(Phase voltage),280-520V(Line voltage)		
Rated grid frequency	50Hz/60Hz		
Power factor	> 0.99 (0.8 leading ... 0.8 lagging)		
THDi	< 3%		
EFFICIENCY			
Max. efficiency	98.60%		
EU efficiency	98.30%		
MPPT efficiency	> 99.8%		
PROTECTION			
Integrated DC switch	Yes		
DC reverse-polarity protection	Yes		
Anti-islanding protection	Yes		
Short circuit protection	Yes		
Insulation impedance detection	Yes		
Ground fault monitoring	Yes		
Residual leakage current detection	Yes		
Strings monitoring	Optional		
I/V curve scanning	Yes		
DC/AC Surge protection	DC Type II / AC Type II		
DC arc-fault circuit protection	Optional		
Integrated PID recovery	Optional		
Anti-backflow	Optional		
GENERAL DATA			
Dimensions (W*H*D)	735*530*285mm		
Weight	60kg		
Self consumption(night)	<1W		
Operating temperature range	-30...+60 C		
Cooling concept	fan-cooling		
Max. operation altitude	4000m (Derating above 3000m)		
Relative humidity	0-100%		
Ingress protection	IP66		
Topology structure	Transformerless		
Type of DC terminal	MC4 connector		
Type of AC terminal	OT terminal		
DISPLAY&COMMUNICATION			
Display	LED+Bluetooth+APP (Optional:LCD)		
Communication	Standard:RS485,Wifi,Optional:WLAN		

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.