AUXSOL

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THREE PHASE ON-GRID INVERTER

ASN-300TLX-HV | ASN-330TLX-HV | ASN-350TLX-HV

High Efficiency

» Max. efficiency up to 99.08%,EU efficiency up to 98.80%
» Output power up to 350kW,Including 6 MPPTs,75A per MPPT
» Max. 30 strings, compatible to 182 and 210 series PV module

Smart

» Supports I-V curve scanning, accurately identifying string anomalies
» Adaptive SBF&SBR, Smart Self-cleaning Fan
» Fault Forecast, Discreteness Analysis and Online Maintenance Order Management

Safe & Reliable

» Smart Connector-level Detection, Smart DC-Switch Disconnection
» Smart Terminal-level Detection, Auto Safety Protection on AC Side
» IP66 protection rating, C5-M anti-corrosion shell,adaptable to harsh operating environments

Economical & Cost-Saving

» Supporting for weak power grids: SCR~1.1
» Higher power quality, THDI<1.5%
» Faster power response time; actives:<60ms;Reactives:<30ms
» Night-time Q Function, Automatic Reactive Power Control According to Demand Power
» Line Communication (PLC), High-Speed & High Anti-Interference

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	$ 12 Billion Revenue in 2025	5 Business Industries
$ 11.2 Billion Assets	500 China's Top	40000+ Employees

AUXSOL

Advance Unlimited X-tra Green Power

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	ASN-300TLX-HV	ASN-330TLX-HV	ASN-350TLX-HV
PV INPUT			
Max.input power	450kW	480kW	500kW
Max.input voltage		1500V	
Rated voltage		1080V	
Start-up voltage		520V	
MPPT voltage range		500-1500V	
Max.input current		6*75A	
Max.short circuit current		6*125A	
MPPT number		6	
Max. input strings number		30	
AC OUTPUT			
Rated output power	300kW	330kW	350kW
Max.apparent output power	300kVA	330kVA	350kVA
Max.output power	300kW	330kW	350kW
Rated grid output current	217A	238A	254A
Rated grid voltage		800V，3/PE	
Rated grid frequency		50Hz/60Hz	
Power factor		>0.99 (0.8 leading ... 0.8 lagging)	
THDi		<1.5%	
EFFICIENCY			
Max.efficiency		99.08%	
EU efficiency		98.80%	
MPPT efficiency		99.80%	
PROTECTION			
Integrated DC switch		Yes	
DC rever-polarity protection		Yes	
Anti-islanding protection		Yes	
Short circuit protection		Yes	
DC/AC Surge protection		Type II/ Type II	
Insulation impedance detection		Yes	
Ground fault monitoring		Yes	
Residual leakage current detection		Yes	
Strings monitoring		Yes	
I/V Curve scanning		Yes	
DC arc-fault circuit protection		Optional	
PID recovery		Optional	
GENERAL DATA			
Dimensions (W*H*D)		1128*808*351mm	
Weight		≤115kg	
Self consumption(night)		<6W	
Operating temperature range		-30...+60 C	
Cooling concept		Fan-cooling	
Max. operation altitude		5000m (Derating above 4000m)	
Relative humidity		0-100%	
Ingress protection		IP66	
Topology structure		Transformerless	
Type of DC terminal		MC4 connector	
Type of AC terminal		OT/DT terminal	
DISPLAY&COMMUNICATION			
Display		LED+Bluetooth+APP	
Communication		Standard:RS485,Wifi,Optional:WLAN/PLC	

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.