AUXSOL



C&I HYBRID INVERTER

(THREE PHASE)

ASG-(29.9-50)TL-ZH

KEY FEATURES



High Efficiency

- » String current up to 20A
- » 2x prolonged off-grid overload capability



Smart

- » Supports grid-connected and off-grid three-phase unbalanced outputs, single-phase outputs up to 150%
- » Integrated Intelligent Management System



User-Friendly

» A variety of operating modes can be selected, suitable for different application scenarios

NEW

- » <10ms UPS-level switching
- » 6 editable charge/discharge times
- » Smart Meter Phase Sequence Automatic Detection



Safe & Reliable

- » Supports I-V curve scanning, accurately identifying string anomalies
- » Intelligent AFCI reduces fire risk (Optional)



Economical & Cost-Saving

- » Supporting AC coupling and transforming PV grid-connected systems
- » Support for the "peak shaving" model

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.



\$ 9.6 g



500 China's Top



Employees

AUXSOL WIN A GREEN FUTURE TOGETHER

Ningbo AUX Solar Import & Export Co., Ltd.

No.17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, zhejiang Province, China









You Tube

☑ info@auxsol.com⊕ www.auxsol.com⑤ +86 0574-8765 2201







OV INDUT	ASG-29.9TL-ZH	ASG-30TL-ZH	ASG-36TL-ZH	ASG-40TL-ZH	ASG-50TL-ZI
PV INPUT	E0 01/1/4/	EOIAM.	721444	90141/	100kW
Max. PV access power	59.8kW	60kW	72kW	80kW	
Max. PV input power	44.9kW	45kW	54kW	60kW	75kW
Max. input voltage			1000V		
Rated PV input voltage			620V		
Start-up voltage			160V		
MPPT voltage range			150-850V		
Max. PV input current		40A*3		40/	Δ*4
Max. short circuit current	50A*3 50A*4				
MPPT number/Max. input strings number	3/6 4/8				
SATTERY		3/0		77/	0
Battery type			Li-ion		
lattery voltage range			150-800V		
lumber of battery input channels			2		
Nax. charge / discharge current	80A+80A				
Communication	CAN/RS485				
Charging strategy for Li-Ion battery	Self-adaption to BMS				
AC OUTPUT					
Rated output power	29.9kW	30kW	36kW	40kW	50kW
	29.9kVA	33kVA	39.6kVA	44kVA	55kVA
Max. apparent output power	29.9KVA				SSKVA
ated output voltage	220V/380V,230V/400V,3L/N/PE				
Output voltage range		165-288V(Ph	ase voltage),286-498\	(Line voltage)	
Rated output frequency/ frequency range			50Hz/60Hz(±5Hz)		
Max. output current	43.2A	47.6A	57.2A	63.5A	79.4A
Power factor			0.8 leading - 0.8 lag		
'HDi		0.50	<3%	J.	
AC INPUT			.570		
	EO 01444	COLAM	72144	001347	7.001.147
Rated input power	59.8kW	60kW	72kW	80kW	100kW
Max. input power	59.8kW	60kW	72kW	80kW	100kW
Rated input voltage		220\	//380V,230V/400V,3L/	N/PE	
Rated input frequency	50/60Hz				
Max. input current	86.3A	86.6A	103.9A	115.5A	144.3A
BACK-UP OUTPUT					
Rated output Power	29.9kW	30kW	36kW	40kW	50kW
Max. ouput power	1.5 times of rated power, 10 s				
Rated output voltage		2201	//380V,230V/400V,3L/	N/PE	
Rated output frequency			50/60Hz		
Max. output current	43.2A	43.3A	52A	57.7A	72.2A
Back-up switch time			< 10ms		
THDv			< 2%		
FFICIENCY					
MPPT efficiency			99.80%		
Max. efficiency			98.10%		
EU efficiency	98.10%				
BAT charged/discharged Max. efficiency			97.4%/98.5%		
PROTECTION					
ntegrated DC switch			Yes		
OC rever-polarity protection	Yes				
nsulation 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				
Battery reverse protection	Yes				
DC arc-fault circuit protection	Optional				
V curve scanning	Yes				
Parallel	Yes Optional				
			Optional		
GENERAL					
Operating temperature range			-30 to +60℃		
Max. operation altitude	4000m(Derating above 3000m)				
Relative humidity	0~100%				
Cooling concept	Smart Fan Cooling				
ngress protection	IP 66				
opology	Transformerless				
Self consumption(night)	≤20W				
Dimensions (W*H*D)			530×890×295		
Veight			75kg		
ype of PV terminal			MC4 connector		
Type of AC terminal (Grid side)			OT terminal		
			OT terminal		
COMMUNICATION			SD 150 51		
Display			CD+LED+Bluetooth+Al		
Communication		WIFI+Bluetoo	th,Optional:4G,LAN;BI	MS:CAN/RS485	
CERTIFICATION					
ERTIFICATION					
Grid standards		EN 50549-1,IEC 61	727/62116,IEC 61683	,VDE 4105,NRS 097	