

2024 Product Catalogue Inverters and Energy Storage



AUXSOL









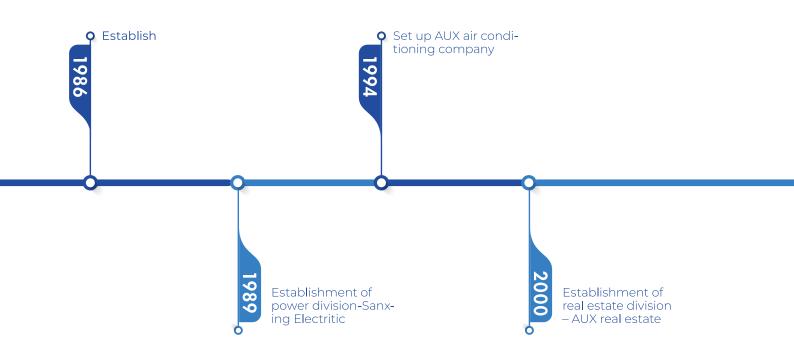




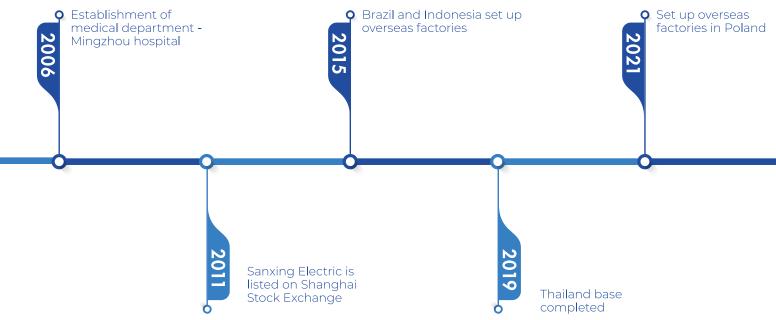
- Ningbo AUX Solar Technology Co., Ltd. ("AUX Solar") is wholly-owned subsidiary of Ningbo AUX Smart Technology CO., LTD. With registered capital of USD 44 million, AUX Solar specializes in on-grid inverters, hybrid inverters, battery packs and energy storage systems.
- AUX Group was founded in 1986, for many years it ranked China's top 500 enterprises. AUX Group covers several industries: home appliances, electrical equipment, medical service, real estate and investment. It has two listed companies (601567.SH, 02080.HK).
- AUX Group always strictly adheres to the philosophy of "Quality First", so does AUX Solar, which has over 100 employees and has been certified by ISO 9001 & ISO 14001& ISO 45001.
- In line with the development trend of global new energy industry, combining with 30+ years R&D experience of AUX Group, AUX Solar commits to providing a complete system solution for our customers with our high quality, efficient, reliable and user-friendly solar products.
- Up till now, AUX Solar has set up two R&D centers in Ningbo and Shenzhen as well as service centers in Brazil, Colombia, Poland, Bangladesh and Indonesia, building a marketing service system covering global solar markets.
- In the future, AUX Solar will improve its industrial layout of new energy with continuous innovation and dedication to solar industry, with the ultimate goal of promoting energy reform worldwide and rendering green energy available to thousands of households.



Milestone AUX Group









AUX Solar team is always adhered to the philosophy "quality is the footstone, innovation is the soul". We are market-oriented, focus on the analysis of product technology trends and based on the real demands of customers. In order to provide customers the best products and more values. We keep improving the core competitiveness of products, comprehensively to achieve product leadship in solar industry.

6

R&D center

500

PCB engineers

18067

Patents

100 million

Average annual investment

CNAS lab

120

Leading electronic control staff 4573

R&D engineers

6%

Annual R&D investment accounting for 6% of the sales

Global Certifications

1	IFC6	1683	/IFC6	50068

Special Environment and Efficiency

2 IEC62109-1-2

Safety

3 EN50549-1

European grid-connected standard

4 IEC61727/IEC62116

Grid-connected & Isolated Island

5 IEC61000-6/3-X

CE Certification

6 NC-RFG(PN-EN50549)

Poland grid-connected standard

7 5K-IEC61000-6-1/2/3/4

8 5K-EN50549-1

European grid-connected standard

AUX Factory

11 manufacturing base

4 overseas: Brazil Indonesia Thailand Poland













Max. Input Voltage								
Max. lip vol Voltage 80-500	NPUT DC	ASN-3.6SL ASN-4SL	L ASN-4.6SL	ASN-5SL	ASN-6SL	ASN-7SL	ASN-8S	
Start-Up Voltage Start-Up V				600V				
MPPT Voltage Range								
MPPT Voltage Range								
Max. Input Current			30~500V	00 V		80~550V		
Max. Short Circuit Current					16A/16A		16A	
Max. Input Strings Number)A 35A/20A		
Max Activity Act								
Max Activity Act	Max. Input Strings Number		2			3		
Rated Output Power 3.6kW 4kW 4.6kW 5kW 6kW 7kW					_		_	
Max. Apparent Output Power 3,96kVA 4,4kVA 5,06kVA 5,5kVA 6,6kVA 7,7kVA 8 Max. Output Power 3,96kW 4,4kW 5,06kW 5,5kW 6,6kW 7,7kVA 8 Rated Grid Vidolage 1/N/PE, 220V/230V 1/N/PE, 220V/230V 1/N/PE, 220V/230V/240V Rated Grid Output Current 15,7A 18,2A 20.9A 22,7A 27,3A 31,8A 1 Max. Output Current 16,0A 19,4A 22,3A 24,3A 29,1A 34A 34A Power Factor 1 (10,8 Leading - 0,8Lag)mg/ThDI 34A 34A <th< td=""><td></td><td>3.6kW 41/W</td><td>4.6kW</td><td>5kW</td><td>6kW</td><td>7kW</td><td>8kW</td></th<>		3.6kW 41/W	4.6kW	5kW	6kW	7kW	8kW	
Max. Output Power	<u> </u>		5.06kVA	5.5kVA	6.6kVA	7.7kVA	8.3kVA	
### Bated Grid Voltage							8kW	
Rated Grid Output Current 15.7A 18.2A 20.9A 22.7A 27.3A 31.8A Max. Output Cucrrent 16.0A 19.4A 22.3A 24.3A 29.1A 34A Power Factor 1 (0.8 Leading ~ 0.8 Lagging ~ 0.9 Lagging ~								
Rated Grid Output Current 15.7A 18.2A 20.9A 22.7A 27.3A 31.8A								
Max. Output Cucrrent 16.0A 19.4A 22.3A 24.3A 29.1A 34A Power Factor 1 (0.8 Leading = -0.8 Lagging)				22.7A	27.3A	31.8A	36.4A	
Thick				· · · · · · · · · · · · · · · · · · ·			36.4A	
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### Page 12 Page 13 Page 14 Page 14 Page 14 Page 15 Pa			1 (0.0 L		333/	_		
Max. Effciency 97.7% 97.8% EU Effciency 97.0% 97.3% PROTECTION Unterpreted DC Switch Yes DC Rever-Polarity Protection Yes Anti-Islanding Protection Yes Short Circuit Protection Yes Output Over Current Protection Yes DC Surge Protection Yes AC Surge Protection Yes AC Surge Protection Yes Insulation Impedance Detection Yes Residual Leakage Current Detection Yes Ground fault monitoring Yes AC Over voltage protection Yes DC Over current protection / Optional GENERAL DATA Optional DImensions (W*H**D) 355*430*152mm 400*383*177mm Weight 10.8Kg 15.6kg Self Consumption(night) <0.3W				1370		_	_	
EU Efficiency 97.0% 97.3% PROTECTION Integrated DC Switch Yes Anti-Islanding Protection Yes Short Circuit Protection Yes Output Over Current Protection Yes Output Over Current Protection Yes CS surge Protection Yes Ac Surge Protection Yes Insulation Impedance Detection Yes Residual Leakage Current Detection Yes Ground fault monitoring Yes AC Over voltage protection Yes AC Over voltage protection Yes Octover current protection Yes Integrated AFCI (DC arc_fault circuit protection) / Optional GENERAL DATA Weight 10.8Kg 15.6kg Self Consumption(night) <0.3W <0.3W Operating Temperature Range -25°C+60°C -25+60°C Cooling Concept Natural Cooling Natural Cooling Natural Cooling Natural Cooling Awa. Operation Altitude 3000m (>3000m Derating) 4000m (Derating above 3000m) Relative Humidity 0-100% 1965 1966 Topology Structure Transformerless 1745. PRINES 2004 2014 2014 2014 2014 2014 2014 2014			07.7%			07 90%		
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Operating Temperature Range -25°C+60°C -25+60 °C Cooling Concept Natural Cooling Nax. Operation Altitude 3000m (>3000m Derating) Relative Humidity 0~100% O-100% Ingress Protection IP65 IP66 Topology Structure Transformerless Grid connection stadard EN 50549,EN62116,EN 61727,INMETRO -25+60 °C -25+60 °C Natural Cooling Natural Cooling Note and Coolin	Weight		10.8Kg			15.6kg		
Cooling ConceptNatural CoolingNatural CoolingMax. Operation Altitude3000m (>3000m Derating)4000m (Derating above 3000m)Relative Humidity0~100%0-100%Ingress ProtectionIP65IP66Topology StructureTransformerlessTransformerlessGrid connection stadardEN 50549,EN62116,EN 61727,INMETROEN50549-1, PN-EN 50549-1, PSE, PTPIREE,RD647,RD413,R UNE 217001/2, NTS631,NC RFG	Self Consumption(night)		<0.3W			≤0.3W		
Max. Operation Altitude3000m (>3000m Derating)4000m (Derating above 3000m)Relative Humidity0~100%0-100%Ingress ProtectionIP65IP66Topology StructureTransformerlessTransformerlessGrid connection stadardEN 50549,EN62116,EN 61727,INMETROEN50549-1, PN-EN 50549-1, PSE, PTPIREE,RD647,RD413,R UNE 217001/2, NTS631,NC RFG	Operating Temperature Range	-25		-	-25+60°C			
Max. Operation Altitude3000m (>3000m Derating)4000m (Derating above 3000m)Relative Humidity0~100%0-100%Ingress ProtectionIP65IP66Topology StructureTransformerlessTransformerlessGrid connection stadardEN 50549,EN62116,EN 61727,INMETROEN50549-1, PN-EN 50549-1, PSE, PTPIREE,RD647,RD413,R UNE 217001/2, NTS631,NC RFG		Natu	ıral Cooling		Na	tural Cooling		
Relative Humidity 0~100% 0-100% Ingress Protection IP65 IP66 Topology Structure Transformerless Transformerless Grid connection stadard EN 50549,EN62116,EN 61727,INMETRO EN50549-1, PN-EN 50549-1, PSE, PTPIREE,RD647,RD413,R UNE 217001/2, NTS631,NC RFG							0m)	
Topology Structure Transformerless Transformerless Grid connection stadard EN 50549,EN62116,EN 61727,INMETRO EN50549-1, PN-EN 50549-1, PSE, PTPIREE,RD647,RD413,R UNE 217001/2, NTS631,NC RFG	Relative Humidity	0			0-100%			
Grid connection stadard EN 50549,EN62116,EN 61727,INMETRO EN50549-1, PN-EN 50549-1, PSE, PTPIREE,RD647,RD413,R UNE 217001/2, NTS631,NC RfG	ngress Protection		IP65			IP66		
EN 50549,EN62116,EN 61727,INMETRO UNE 217001/2, NTS631,NC RfG	Topology Structure	Tran	nsformerless		Tra	nsformerless		
UNE 217/01/2, N15631,NL RTG	Grid connection stadard	EN 50549 FN62116	6,EN 61727.INMFTRO				,RD413,RD1699,	
	Safety/EMC standard			2920			-3-11, EN/IEC 61000	
Type of DC terminal MC4 connector		1,2,120 1100-0-1//2					,	
Type of AC terminal Quick connection plug								
DISPLAY&COMMUNICATION	* *		Qui	er connection p	,,ug			
Display LCD LED+Bluetooth+APP		ICD			l Er	D+Bluetooth+APP		
Communication Interface RS485, Optional: WIFI, 4G		ECD	RS48	5. Optional: WIF				





	ASN-5TL	ASN-6TL	ASN-8TL	ASN-10TL	ASN-12TL	ASN-15TL	ASN-17TL	ASN-20TL	ASN-23TL	ASN-25TI
Input DC	ASIN-STL	ASIN-OIL	ASINTOIL	ASIN-TUTE	ASIN-121L	ASIN-TSTL	ASIV-171L	A3N-201L	ASIN-231L	A3N-2311
Max.input voltage	1100V									
Rated voltage	620V									
Start-up voltage	200V									
MPPT voltage range						000V				
Max.input current			16A/16A			32A/16A		32A/	32A	
Max.short circuit current			20A/20A			40A/20A		40A/-	40A	
MPPT number		2								
Max. input strings number		2				3		4		
Output AC	_	_	_	_	_		_	_	_	_
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW	17kW	20kW	23kW	25kW
Max.apparent output power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA	17KVV 18.7kVA	20kVV 22kVA	25.3kVA	27.5kVA
Rated grid voltage	J.JKVA	O.OKVA	O.OKVA			/400V,3/N/PE	10.7KVA	ZZNVA	23.3877	27.587
Rated grid frequency				220	50Hz/6					
Rated output current	7.6A	9.1A	12.1A	15.2A	18.2A	22.8A	25.7A	30.3A	34.8A	37.8A
Max.output current	8.4A	9.1A 10A	13.3A	16.7A	20.1A	25.1A	28.3A	33.3A	38.3A	39.8A
Power factor	8.4A	IUA	13.3A			0.8 lagging		33.3A	30.3A	39.0A
THDi										
Effciency					<.	3%				
Max. Effciency		00	.3%					00.50		
EU Effciency			.7%			97.8%		98.5% 98%		
	_	97.	.7%	_	_	97.8%	_	98%	_	_
Protection										
Integrated DC switch						es				
DC rever-polarity protection						es				
Anti-islanding protection						es				
Short circuit protection						es				
Output over currentprotection						es 				
DC Surge protection						e II				
AC Surge protection						oe II				
Insulation impedance detection						es				
Ground fault monitoring						es				
Residual leakage current detection						es				
Temperature protection						es				
Strings monitoring						ional				
Antibackflow					Opt	ional				
Integrated AFCI (DC arc-fault circuit protection)					Opti	ional				
I/V Curve scanning					Onti	ional				
General Data					Орі	Orial				
Dimensions (W*H*D)					455*462	*214mm				
						kg				
Weight Self consumption(night)						W				
Operating temperature range					-30					
Cooling concept						ooling				
Max. operation altitude				400		g above 3000i	m)			
Relative humidity				400		g above 3000i 00%	11)			
Ingress protection						66				
Topology structure						ormerless				
Grid connection stadard		NR/T32004 F	N505/10_1 DN F	N 50540 1 D			RD1600 LINE	217001/2 NT	S631 NC DfC	
Safety/EMC standard			N50549-1,PN-E							
Type of DC terminal		ΕN	I/IEC 62109-1/	z, EIN/IEC 6		nnector	000-3-11, EN/	150 01000-3-1	2	
Type of AC terminal						rminal				
					OI te	ıılılıdl				
Display&Communication					LED . DI					
Display						tooth+APP				
Communication Interface					KS485, Optio	onal: WIFI, 4G				



KEY FEATURES

ASN-(70-110)TL



Max. MPPT current 32A



Optional AFCI function



Wide MPPT voltage range



Home appliance level EMC control



5/6/10 individual MPPT design

1 1 1 1	ASN-70TL	ASN-75TL	ASN-80TL	ASN-90TL	ASN-100TL	ASN-110
Input DC						
Max.input voltage			1100V			
Rated voltage			620V			
Start-up voltage			195V			
MPPT voltage range			180-1000V			
Max.input current	5*32	2A	6*32/	A	10*3	2A
Max.short circuit current	5*50	DA	6*50/	A	10*5	0A
MPPT number	5		6		10	
Max. input strings number	10)	12		20	
Output AC						
Rated output power	70kW	75kW	80kW	90kW	100kW	110kW
Max.apparent output power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA
Rated grid voltage		2	220V/380V,230V/40	0V,3/N/PE		
Rated grid frequency			50Hz/60Hz			
Rated output current	101A	108.3A	115.5A	130A	144.5A	158.8A
Max.output current	111.1A	119.1A	127A	143A	158.8A	174.6A
Power factor			>0.99 (0.8 leading -			
THDi			< 3%	333/		
Effciency						
Max. Effciency	98.5%			98	.6%	
EU Effciency	55.570		98.3%	70.		
The state of the s			30.370		_	_
Protection Protection			Yes			
Integrated DC switch						
DC rever-polarity protection			Yes			
Anti-islanding protection			Yes			
Short circuit protection			Yes			
Output over currentprotection			Yes			
DC Surge protection			Type II	_		
AC Surge protection			Type II ,Optional:T	ype 1		
Insulation impedance detection			Yes			
Ground fault monitoring			Yes			
Residual leakage current detection			Yes			
Temperature protection			Yes			
Strings monitoring			Yes			
Antibackflow			Optional			
Integrated AFCI			Optional			
(DC arc-fault circuit protection)						
I/V Curve scanning			Optional			
General Data						
Dimensions (W*H*D)			1007*668*357n	nm		
Weight	75kg				80kg	
Self consumption(night)			<2W			
Operating temperature range			-30+60℃			
Cooling concept			Fan-cooling			
Max. operation altitude		400	00m (Derating abov	ve 3000m)		
Relative humidity			0~100%			
Ingress protection			IP66			
Topology structure			Transformerle	SS		
Grid connection stadard	NB/T32004,EN50549-1, PN-	EN 50549-1,PS	SE ,PTPiREE,RD647,R	RD413,RD1699,	UNE 217001/2,N	TS631, NC R
Safety/EMC standard	EN/IEC 62109	9-1/-2, EN/IEC 6	61000-6-2/4;EN/IEC	61000-3-11, EN	I/IEC 61000-3-12	
Type of DC terminal			MC4 connecto	or		
Type of AC terminal			OT terminal			
Display&Communication						
Display			LED+Bluetooth+	APP		
Communication Interface			RS485,Optional:WIFI			



KEY FEATURES



Support multiple working modes



High matching ability



Wide MPPT voltage range



Natural cooling



Automatic switch time < 10ms

	ASG-3.6SL-ZH A	\SC-4SL-7F	H ASG-4.6SL-ZH A	SG-5SL-ZH	ASG-6SL-ZH	ASG-5TL-ZH	ASG-6TL-ZH	I ASG-8TL-ZH A	SG-10TL-ZH	ASG-12TL-Z
Input DC	A30-3.03E-ZIT A	130-43L-ZI	1 A3G-4.03E-211 A	130-33L-ZII	A30-03E-211	A30-31E-211	ASC OIL ZI	1 A30 01E 211 A	.50 TOTE ZIT	A30 121E 2
Max.input voltage			550V					1000V		
Rated voltage			360V					600V		
MPPT voltage range			90 - 520V					200 - 900V		
Max.input current			16A/16A			164	/16A		26A/26A	
Max.short circuit current			20A/20A			20A			32A/32A	
MPPT number			2				2		2	
Max. input strings number			2				2		4	
Input Battery			2	_	_		2	_	,	_
			Li-ion					Li-ion		
Battery type										
Battery voltage range			80V-480V					200V-800V		
Max. charge / discharge current			30A/30A					30A/30A		
Communication			CAN/RS485					CAN/RS485		
Charging strategy for Li-Ion battery			Self-adaption to BMS					Self-adaption to BMS		
Output AC (Grid side)										
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW	5kW	6kW	8kW	10kW	12kW
Max. apparent output power	3.96kVA	4.4kVA	4.96kVA	5.5kVA	6.6kVA	5kVA	6kVA	8kVA	10kVA	12kVA
Rated grid voltage			220 V / 230 V					3/N/PE,380V/400V		
Rated grid frequency			50Hz/60Hz					50Hz/60Hz		
Max. output current	17.2A	19.1A	22A	23.9A	28.7A	17.2A	8.7A	11.5A	14.4A	17.3A
Power Factor					>0.99 (0.8 leadir	ng - 0.8 lagging)				
THDi					<:	3%				
Input AC (Grid side)										
Max. input power	4.8kW	5.3kW	6.2kW	6.7kW	8kW	10kW	12kW	16kW	20kW	24kW
Max. input current	21A	23A	26.8A	29.1A	34.8A	14.4A	17.3A	23.1A	28.9A	34.6A
Rated input voltage	2171		1/N/PE, 220 V / 230 V		31.07		17.5/1	3/N/PE,380V/400V		3 7.071
			50Hz/60Hz					50Hz/60Hz		
Rated input frequency Output AC (Back-up)			JUHZ/UUHZ					30HZ/00HZ		
	2 41111	41.11		F1.44	21.11	-111	41.11	8111	461111	
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW	5kW	6kW	8kW	10kW	12kW
Max. output current	15.6A	17.4A	20A	21.7A	26A	7.2A	8.7A	11.5A	14.4A	17.3A
Back-up switch time			<10ms					<10ms		
Rated output voltage			220V/230V					380V/400V		
Rated frequency			50 Hz / 60 Hz					50Hz/60Hz		
THDv			< 2%					< 2%		
Efficiency										
Max. efficiency			97.4%					97.34%		
EU efficiency			96.5%					96.45%		
BAT charged/			07.204					07.2504		
discharged to AC Max. efficiency			97.2%					97.35%		
Protection										
Integrated DC switch					Ye	es es				
DC rever-polarity protection					Ye	es				
Anti-islanding protection					Ye	es				
Short circuit protection					Ye	es				
Output over currentprotection					Ye	2S				
DC Surge protection					Тур					
AC Surge protection					Тур					
Insulation impedance detection					Ye					
Ground fault monitoring					Ye					
Residual leakage current detection										
=					Ye					
Temperature protection					Ye					
Battery reverse protection					Ye					
AC Over voltage protection					Ye					
DC Over current protection					Ye	es				
I/V Curve scanning					Ye	es				
					Opti	onal				
24-hour load monitoring Integrated AFCI					0-4	onal				
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection)					Opti					
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow					Opti Opti					
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection)						onal				
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow					Opti	onal				
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT			455*462*214mm		Opti	onal		540*420*218mm		
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data			455*462*214mm 19kg		Opti	onal		540*420*218mm 31.5kg		
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight)				Opti	onal				
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night)		19kg		Opti	onal		31.5kg		
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range)		19kg ≤13W -30+60 C		Opti	onal		31.5kg ≤20W -30+60 ℃		
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept)	4000	19kg ≤13W -30+60 C Natural Cooling	Dm)	Opti	onal	Ann	31.5kg ≤20W -30+60 ℃ Natural Cooling	(00m)	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude)	4000	19kg ≤13W -30+60 C Natural Cooling 0m (Derating above 3000)m)	Opti	onal	400	31.5kg ≤20W -30+60 C Natural Cooling 00m (Derating above 30	00m)	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity)	4000	19kg ≤13W -30+60 C Natural Cooling 0m (Derating above 3000 0-100%	0m)	Opti	onal	400	31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100%	00m)	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection)	4000	19kg ≤13W -30+60 C Natural Cooling 0m (Derating above 3000	Dm)	Opti Ye	onal es	400	31.5kg ≤20W -30+60 C Natural Cooling 00m (Derating above 30	00m)	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure			19kg ≤13W -30+60 C Natural Cooling Om (Derating above 3000 0-100% IP66	Dm)	Opti	onal es		31.5kg ≤20W -30+60 °C Natural Cooling 10m (Derating above 30 0-100% IP66		
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure			19kg ≤13W -30+60 C Natural Cooling 0m (Derating above 3000 0-100%)m)	Opti Ye	onal es		31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100%		, NTS 631,NC RfG
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure Grid connection stadard		549,EN6211	19kg ≤13W -30+60 C Natural Cooling Im (Derating above 3000 0-100% IP66 5,EN 61727,INMETRO		Opti Yo Transfor	onal es merless EN50549-1,PN-1	EN 50549-1,PSE, PT	31.5kg ≤20W -30+60 °C Natural Cooling 10m (Derating above 30 0-100% IP66	99,UNE 217001/2,	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight	EN 505	549,EN6211	19kg ≤13W -30+60 C Natural Cooling Im (Derating above 3000 0-100% IP66 5,EN 61727,INMETRO		Opti Yo Transfor	onal es merless EN50549-1,PN-I	EN 50549-1,PSE, PT	31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100% IP66	99,UNE 217001/2,	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night) Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure Grid connection stadard Safety/EMC standard Type of DC terminal	EN 505	549,EN6211	19kg ≤13W -30+60 C Natural Cooling Im (Derating above 3000 0-100% IP66 5,EN 61727,INMETRO		Opti Yo Transfor	onal es merless EN50549-1,PN-I IEC/EN 62109-1	EN 50549-1,PSE, PT	31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100% IP66	99,UNE 217001/2,	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure Grid connection stadard Safety/EMC standard Type of DC terminal Type of AC terminal	EN 505	549,EN6211	19kg ≤13W -30+60 C Natural Cooling Im (Derating above 3000 0-100% IP66 5,EN 61727,INMETRO		Opti Yo Transfor 2920 MC4 co	merless EN50549-1,PN-IEC/EN 62109-1	EN 50549-1,PSE, PT	31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100% IP66	99,UNE 217001/2,	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure Grid connection stadard Safety/EMC standard Type of DC terminal Type of AC terminal Battery connection type	EN 505	549,EN6211	19kg ≤13W -30+60 C Natural Cooling Im (Derating above 3000 0-100% IP66 5,EN 61727,INMETRO		Opti Yo Transfor 2920 MC4 co Quick conn	merless EN50549-1,PN-IEC/EN 62109-1 nnector ection plug ection plug	EN 50549-1,PSE, PT	31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100% IP66	99,UNE 217001/2,	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure Grid connection stadard Safety/EMC standard Type of DC terminal Type of AC terminal Battery connection type Type of AC terminal (Back-up)	EN 505	549,EN6211	19kg ≤13W -30+60 C Natural Cooling Im (Derating above 3000 0-100% IP66 5,EN 61727,INMETRO		Transfor 2920 MC4 co Quick conn Quick conn Quick conn	merless EN50549-1,PN-I IEC/EN 62109-1 nnector ection plug ection plug ection plug	EN 50549-1,PSE, PT	31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100% IP66	99,UNE 217001/2,	
24-hour load monitoring Integrated AFCI (DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Battery standby consumption (night Operating temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure Grid connection stadard Safety/EMC standard Type of DC terminal Type of AC terminal Battery connection type Type of AC terminal (Back-up) Type of AC terminal (Grid side)	EN 505	549,EN6211	19kg ≤13W -30+60 C Natural Cooling Im (Derating above 3000 0-100% IP66 5,EN 61727,INMETRO		Opti Yo Transfor 2920 MC4 co Quick conn Quick conn	merless EN50549-1,PN-I IEC/EN 62109-1 nnector ection plug ection plug ection plug	EN 50549-1,PSE, PT	31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100% IP66	99,UNE 217001/2,	
24-hour load monitoring Integrated AFCI DC arc-fault circuit protection) Antibackflow LVRT General Data Dimensions (W*H*D) Weight Departing temperature range Cooling concept Max. operation altitude Relative humidity Ingress protection Topology structure Grid connection stadard Safety/EMC standard Type of DC terminal Battery connection type Type of AC terminal (Back-up)	EN 505	549,EN6211	19kg ≤13W -30+60 C Natural Cooling Im (Derating above 3000 0-100% IP66 5,EN 61727,INMETRO		Transfor 2920 MC4 co Quick conn Quick conn Quick conn	merless EN50549-1,PN-I IEC/EN 62109-1 nnector ection plug ection plug ection plug	EN 50549-1,PSE, PT /2,IEC/EN 62477-1	31.5kg ≤20W -30+60 C Natural Cooling 10m (Derating above 30 0-100% IP66	99,UNE 217001/2, /IEC 61000-3-11,	



BATTERY PACK (HV)

ABL-(6.6-16.4)-H



BATTERY PACK (HV)

(ABL-T(10-20)-H01)











Module Number: 2-5 pcs



ALL-IN-ONE

(ASG-5TL-T10H)





Automotive-Grade lithium-lon battery



Calender Life > 6000



AI BMS Protection

BATTERY PACK

	ABL-6.6-H	ABL-9.8-H	ABL-13.1-H	ABL-16.4-H	ABL-T05H-H01	ABL-T10H-H01	ABL-T15H-H01	ABL-T20H-H01	
Battery									
BDU code		,	′			ABL-B	DU-H01		
Battery module code	ule code				ABL-P05H-H01				
Number modules	2	3	4	5	1	2	3	4	
Usable energy	6.55kWh	9.83kWh	13.1kWh	16.38kWh	5.3kWh	10.6kWh	15.9kWh	21.2kWh	
Nominal voltage	204.8V	307.2V	409.6V	512V	102.4V	204.8V	307.2V	409.6V	
Operating voltage range	182.4-230.4V	273.6-345.6V	364.8-460.8V	456-576V	86.4V ~ 115.2V	172.8~230.4V	259.2~345.6V	345.6~460.8V	
Nominal power	5.12kW	7.68kW	10.24kW	12.8kW	3kW	6kW	9kW	12kW	
Battery module		32S1P, 3	.27kWh			32S1P,	5.3kWh		
Cell type		LiFe	PO4			LiFe	ePO4		
Max.charge current		32	A			3	5A		
Max.discharge current		32	A			3	5A		
Max.Short circuit current		350	0A				/		
Display		LE	D			LI	ED		
Max.discharge of depth		100	%				/		
Communication		RS485	/CAN			RS48	5/CAN		
Protection									
Integrated DC switch				Yes					
Low temperature protection				Yes					
Over voltage protection				Yes					
Over current protection				Yes					
Over temperature protection				Yes					
General Data									
Dimensions (W*H*D)mm	600*764*330	600*1021*330	600*1278*330	600*1535*330	700*650*200	700*1000*200	700*1350*200	700*1700*20	
Weight	113kg	157kg	201kg	245kg	65kg	115kg	165kg	215kg	
BDU code dimensions (W*H*D)mm		600*34	9*330			700*2	200*200		
BDU code weight		50k	g		30kg				
Battery module code dimensions (V	V*H*D)mm	600*41	5*330		700*350*200				
Battery module code weight		63k	g		35kg				
Operating temperature range		Charge: 0 -50°C; D	ischarge: -10 -50°C		Charge: -20 -50°C; Discharge: -20 -50°C				
Relative humidity		0-9	5%		5-95%				
Mounting method		Groun	ded		Grounded				
Ingress protection		IP5	5		IP65				
Cooling concept		Natural (Cooling			Natura	l Cooling		
Max. Operating altitude	2000m					< 41	000m		
Warranty		10 ye	ars			10 y	rears		
Standard and certification									
Safety		CE, CEC, IEC 62619, IEC	62040			CE, CEC, IEC	62619, IEC 6204	.0	
EMC		CE, RCM				С	E, RCM		
Transportation		UN38.3			UN38.3				

ALL-IN-ONE ENERGY STORAGE SYSTEM

	, , , , , , , , , , , , , , , , , , ,		•
		ASG-5TL-TIOH	
PVInput		Efficiency	
Max. PV input power	7.5kW	Max. efficiency	98.00%
Max. PV input voltage	1000V	EU efficiency	97.30%
Min. input voltage	145V	MPPT efficiency	99.90%
MPPT voltage range	150~850V	Battery charged by PV Max. efficiency	98.50%
Rated input voltage	620V	Battery charge/discharge from/	97.60%
Max. PV input current	15A	to AC Max. efficiency	
Max. short-circuit current	20A	Battery Data (LiFePO4)	70 (1) (4)
No. of MPPT trackers	2	Nominal battery energy	10.6kWh
Strings per MPPT tracker	1	Available energy	9.0kWh
Output AC for On-grid		Max. output power	5kW
Rated power to grid	5kW	Max. charging/discharging current	25A
Max. apparent AC power to grid	5.5kW	Nominal voltage	204.8V
Rated grid voltage	3W/N/PE, 380V/400V	Working voltage	179.2-230.4V
Rated power frequency	50Hz/60Hz	Peak power	7kW lasts 10s
Max. output current to grid	8.5A	Peak current	35A lasts 10s
Max. AC current from grid	17A	Communication	CAN, RS485
Adjustable displacement power factor	0.8leading-0.8lagging	Working temperature	-20~50°C
THDi	<3%	Protection level	IP65
Output AC for Back-up	7370	Working humidity	5%~95%
Max. apparent output power	5kW	Working altitude	Below 2000m
Peak apparent output power (@60s)	10kW for 60s	Calendar life	>6000 (70% EOL)
Rated power frequency		Certification	IEC62619/IEC60730/EN61000/UN38.3
Max. output current	3W/N/PE, 380V/400V 8.5A	Warranty	10 years
Automatic switch time		Dimension (LxW)xH	1450*700*210mm
Nominal output voltage	50Hz/60Hz (+/-0.2%)	Net weight	135kg
THDv	<10ms		
וחטע	< 3%		

AUX GROUP

Established in 1986, AUX Group is an enterprise which covers 5 industric consecutive years, 30000+ employees keep AUX fast development for re



R&D Strength

AUX Solar team is always adhered to the philosophy "quality is the footst ed, focus on the analysis of product technology trends and based on the customers the best products and more values. We keep improving the coachieve product leadship in solar industry.









for 6% of the sales



As a Value-Added Partner, we help our partners to grow by sharing technologies and delivering tailor-made solutions that address in the best way their business needs so as to create a value chain among our suppliers, customers and the end-users.

At Westnet, we provide access to evolutionary technology through strategic partnerships with innovative brands, among which stand several big manufacturers. We started our operations in 2005 as an IT distributor and gradually expanded into new areas such as consumer batteries, led lighting, air conditioning, home appliances and residential photovoltaics, enhancing our portfolio of available solutions.

Westnet's purpose is to provide access to advanced technology and innovative solutions across geographies. Nowadays, we operate in 3 countries, Greece, Cyprus and Poland with local offices while having developed an enlarged exports' network in over 60 countries in Europe, Middle East and Africa.

Our business activity "Westnet Solar Systems" offers energy solutions with state-of-the-art technology for the implementation of residential photovoltaic systems, through a dynamic product range, such as PV panels, inverters and battery systems. Focusing significantly on energy saving and improving living standards, we aim to cover the modern energy needs through holistic solutions, with the most reliable products and value-added services.

With the expansion of our business in photovoltaics category, our strategic collaboration with AUX Group is further strengthened, as AUXSOL - a leading producer of inverters and battery systems worldwide - joins our portfolio with a new exclusive partnership.

Let's win green future together!



Westnet Distribution

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