



BRISK SOLAR ENERGY

Commercial Catalogue 2024

**Maintain
Environmental
Health.**



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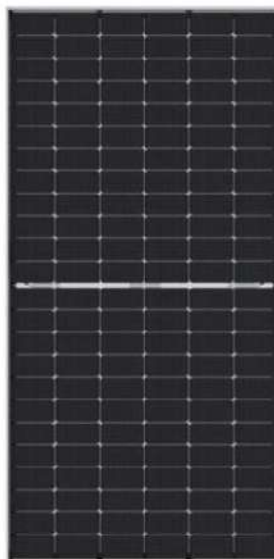




N-type TOPCon Series

565-585 Watt

BIFACIAL MODULE



Features



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset.



Anti PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *

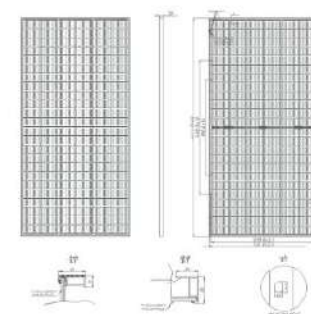


Lower LCOE

Higher bifaciality, higher power output and lower BOS cost

MECHANICAL SPECIFICATIONS

Cell Type	N type Mono-crystalline
Cell Dimensions	182*182mm
Cell Arrangement	144 (6*24)
Weight	32kg
Module Dimensions	2278*1134*30mm
Cable Length	Portrait: 300mm/Landscape: 1200mm/Customized
Cable Cross Section Size	TUV: 4mm ² /UL: 12AWG
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	36pcs/pallet, 720pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68



ELECTRICAL SPECIFICATIONS

Module Type	NKM565N-144BDM10		NKM570N-144BDM10		NKM575N-144BDM10		NKM580N-144BDM10		NKM585N-144BDM10	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated output (P _{mp} /Wp)	565	425	570	429	575	432	580	436	585	439
Maximum Power Voltage (V _{mp} /V)	42.1	39.5	42.3	39.7	42.4	39.8	42.5	39.9	42.6	40.0
Maximum Power Current (I _{mp} /A)	13.42	10.76	13.48	10.81	13.55	10.86	13.62	10.93	13.67	10.98
Open Circuit Voltage (V _{oc} /V)	50.9	48.3	51.1	48.5	51.3	48.7	51.5	48.9	51.7	49.1
Short Circuit Current (I _{sc} /A)	14.19	11.46	14.25	11.50	14.31	11.55	14.37	11.50	14.43	11.65
Module efficiency (%)	21.9%		22.1%		22.3%		22.5%		22.8%	
Power Tolerance (W)	0→+5		0→+5		0→+5		0→+5		0→+5	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power (P _{max})	593	599	604	609	614
	Module Efficiency STC (%)	23.0%	23.2%	23.4%	23.6%	23.8%
15%	Maximum Power (P _{max})	650	656	661	667	673
	Module Efficiency STC (%)	25.2%	25.4%	25.6%	25.8%	26.1%
25%	Maximum Power (P _{max})	706	713	719	725	731
	Module Efficiency STC (%)	27.3%	27.6%	27.8%	28.1%	28.3%

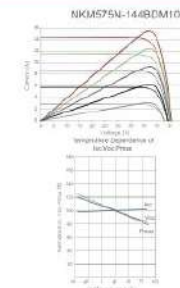
MAXIMUM RATINGS

Maximum System Voltage	1000V/1600V DC (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	30A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ

TEMPERATURE CHARACTERISTICS

NMOT Temperature	45°C±2°C
Temperature Coefficient (P _{max})	-0.30%/°C
Temperature Coefficient (V _{oc})	-0.25%/°C
Temperature Coefficient (I _{sc})	0.046%/°C

CURVE & TEMPERATURE DEPENDENCE





P-type Series

645-670 Watt

MONOFACIAL MODULE



Features



High module conversion efficiency

Module efficiency up to 21.6% achieved through advanced cell technology and manufacturing process



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset



Nuuko current sorting process

Up to 2 % power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output



Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *



Lower operating temperature

Lower operating temperature and temperature coefficient increases the power output

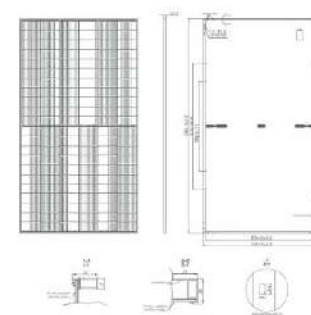


Withstanding harsh environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

MECHANICAL SPECIFICATIONS

Cell Type	Monocrystalline
Cell Dimensions	216*210mm
Cell Arrangement	132 (6*22)
Weight	34.2kg
Module Dimensions	2384*1303*35mm
Cable Length	Portrait: 300mm/Landscape: 1200mm/Customized
Cable Cross Section Size	TUV: 4mm ² UL: 12AWG
Front Glass	3.2mm AR Coating Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	31pcs/Pallet, 558pcs/40HQ
Frame	Anodized Aluminum Alloy
Junction Box	IP68



ELECTRICAL SPECIFICATIONS

Module Type	NKM645-132G12 NKM650-132G12 NKM655-132G12 NKM660-132G12 NKM665-132G12 NKM670-132G12											
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated output (Pmp/Wo)	645	479	650	485	655	486	660	490	665	494	670	498
Maximum Power Voltage (Vmpp/V)	37.5	35.1	37.8	35.3	38.0	35.5	38.2	35.7	38.4	35.9	38.6	36.1
Maximum Power Current (Imp/A)	17.16	13.63	17.20	13.67	17.24	13.70	17.28	13.74	17.32	13.77	17.36	13.80
Open Circuit Voltage (Voc/V)	45.3	42.4	45.2	42.6	45.4	42.8	45.6	43.0	45.8	43.2	46.0	43.4
Short Circuit Current (Isc/A)	18.22	14.65	18.26	14.68	18.30	14.71	18.34	14.74	18.38	14.78	18.42	14.81
Module efficiency (%)	20.8%		20.9%		21.1%		21.3%		21.4%		21.6%	
Power Tolerance (W)	0~+5		0~+5		0~+5		0~+5		0~+5		0~+5	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5; NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

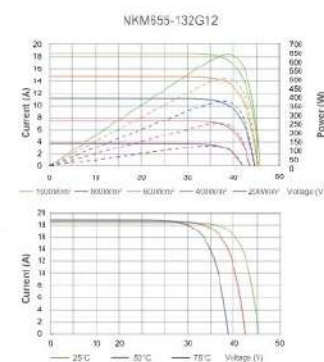
MAXIMUM RATINGS

Maximum System Voltage	1000V/1500V DC (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	30A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ

TEMPERATURE CHARACTERISTICS

NMOT Temperature	43°C±2°C
Temperature Coefficient (Pmax)	-0.36%/°C
Temperature Coefficient (Voc)	-0.26%/°C
Temperature Coefficient (Isc)	0.043%/°C

CURVE & TEMPERATURE DEPENDENCE

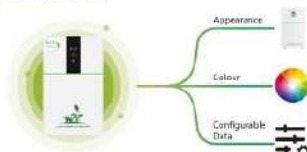




Features

- Convenient installation, integrating solar controller, inverter and battery all in one machine.
- Compact and elegant design, unique art design and convenient output connection port.
- Flexible energy storage capacity, supporting three charging methods: solar power, Petrol and diesel generator, and grid power.
- Support wifi or app monitoring.
- With overvoltage, overtemperature, overload, battery BMS communication and comprehensive protection.

OEM/ODM



Application



Technical Parameters

Model	NES-PRO-T50248
Power	
Rated Power	5000W
Single/Parallel	Single
Battery	
Standard Battery Voltage	48V
Battery Type	LiFePO4 battery
Battery Capacity	51.2VDC 100AH (Can parallel batteries, standard rack mount : 19inch/3U)
Max Charge/Discharge Current	100A
Charge/Discharge Cut-off Voltage	58.4VDC/44.8VDC
AC Input	
AC Input Voltage	220VAC/230VAC/240VAC
AC Input Frequency	43Hz-63Hz (50Hz) : 53Hz-63Hz (60Hz)
AC Output	
Output Wave	Pure Sine Wave
Conversion Efficiency (INV mode)	94% (peak value)
Output Voltage/Frequency (INV mode)	220VAC/230VAC/240VAC $\pm$ 2%/50Hz $\pm$ 1%, 60Hz $\pm$ 1%
MPPT Solar Charge Controller	
Max PV Input Voltage (Voc) (At The Lowest Temperature)	500VDC
PV Array Maximum Power	6000W
MPPT Tracking Voltage Range	120V~450VDC
MAX PV Charging Current	100A
Other	
Protection	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/ Inverter output short circuit protection/Temperature protection
Protection Degree	IP20
Display	LCD+LED
Cooling Method	Cooling fan in intelligent control
Communication	USB/R3232 communication , mobile APP (WiFi monitoring or 4GPRS monitoring) Optional
Working Mode	Mains priority/1PV priority/Battery priority
Operating Temperature	-15℃~40℃
Relative Humidity	0%-95% (No condensation)
Size	
Product Size(L*W*Hmm)	525*180*960
Package Size(L*W*Hmm)	535*190*910

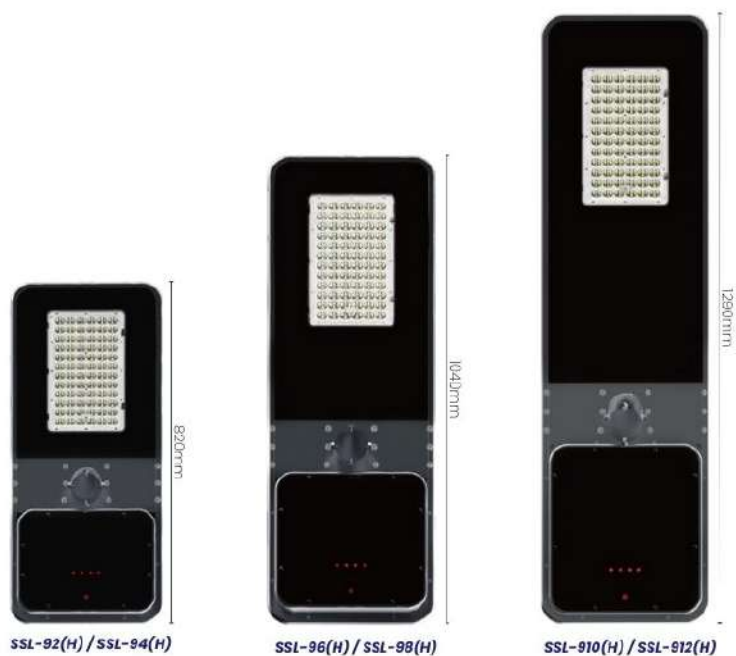
Note: 1. Specifications are subject to change without prior notice. 2. Special voltage and power requirements can be customized according to the actual situation of users.





GAJ AL TAB SERIES

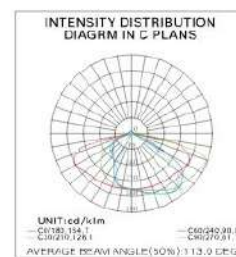
Win More Than 1000 Tenders In The World



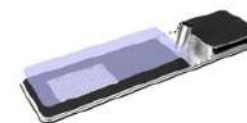
Item	LED Lumen's	Solar Panel	LED (OSRAM)	CCT	Battery	Lighting Mode	Charging Time
SSL-92(H)	2000LM	37.5W	3030 72pcs	4000	153.92WH	100% (B+)+ 20% Till dawn	4.5H
SSL-94(H)	4000LM	37.5W	3030 72pcs	K	230.88WH		5.5H
SSL-96(H)	6000LM	80W	3030 144pcs	4000	345.32WH		8.3H
SSL-98(H)	8000LM	80W	3030 144pcs	K	401.78WH		8.4H
SSL-910(H)	10000LM	75W	3030 288pcs	4000	577.2WH		8.4H
SSL-912(H)	12000LM	75W	3030 288pcs	K	692.64WH		10H
			260pcs	4000			
				K			
				4000			

FEATURES

- Ultra thin design, only 22mm thickness
- Self-test by flashing indicator
- Optic distribution: Type IV, d/h=4:1



Lighting Distribution



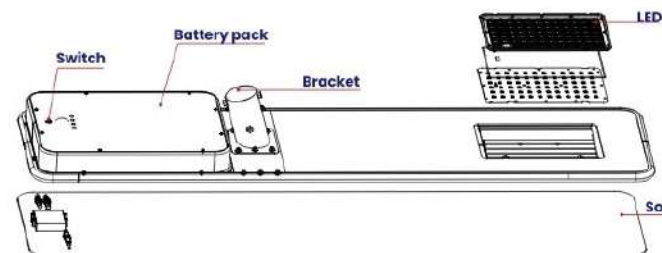
Explosion Proof Glass



For Φ60mm pole
Rust
Proof
bracket



4 Parts Fault Alarm



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SOLAR STREET LIGHT





GAJ AL TAS SERIES

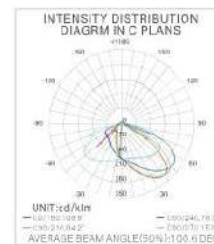
Win More Than 3500+ Tenders In The World!



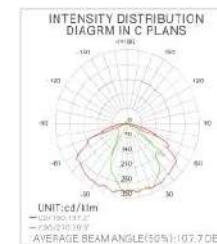
Item	LED Lumens	Solar Panel	LED (OSRAM)	CCT	Battery	Lighting Mode	Charging Time
SSL-32M	5000LM	25W	3030, 20pcs	5700	163.62WH	M1: 30% + PIR	6.7H
SSL-34M	4000LM	37.5W	3030, 40pcs	K	269.38WH	M2: 100%(5H) + 25%(PR)(5H) + 70% M3 70% Till dawn	7.8H
SSL-36M	6000LM	60W	3030, 60pcs	5700	423.28WH		7.7H
SSL-38M	8000LM	75W	3030,	K	577.2WH		8.4H
SSL-30M	10000LM	75W	160pcs	5700	662.64WH		10H
			3030,	K			
			160pcs	5700			

FEATURES

- Unique simple design
- large LED panel for wider lighting area
- Involved in government procurement list



SSL-32M/SSL-34M



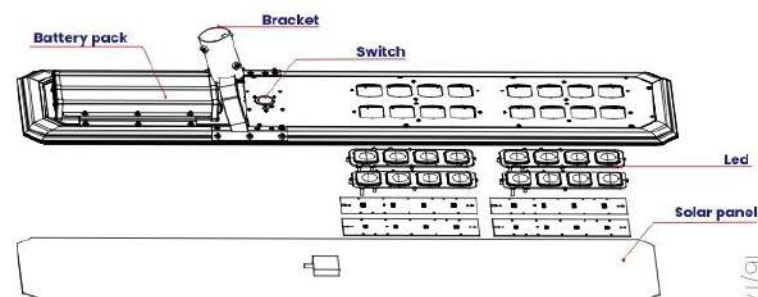
SSL-36M/SSL-38M/SSL-310M



For $\Phi 60$ mm pole
Rust Proof
bracket



Battery Pack
Easy to Maintain



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SOLAR STREET LIGHT





BRISK SOLAR ENERGY

THANK YOU

For further inquiries or collaborations, feel free to reach out.
Your ideas and enthusiasm drive positive change.



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