



VANTAGE SOLAR

Solar Panels



54-Cell Black Frame 425Watt
Solar Panel 182mm Solar Cell
Solar Panel 425W PV Module

- Item NO.:
- BSM425G12-54HPH
- Solar Cell :
- Mono-Facial 182mm
- Number Of Cells :
- 54-Cell
- Power Range :
- 405W-425W
- Size :
- 1722*1134*35mm
- Certificate :
- TUV, CE

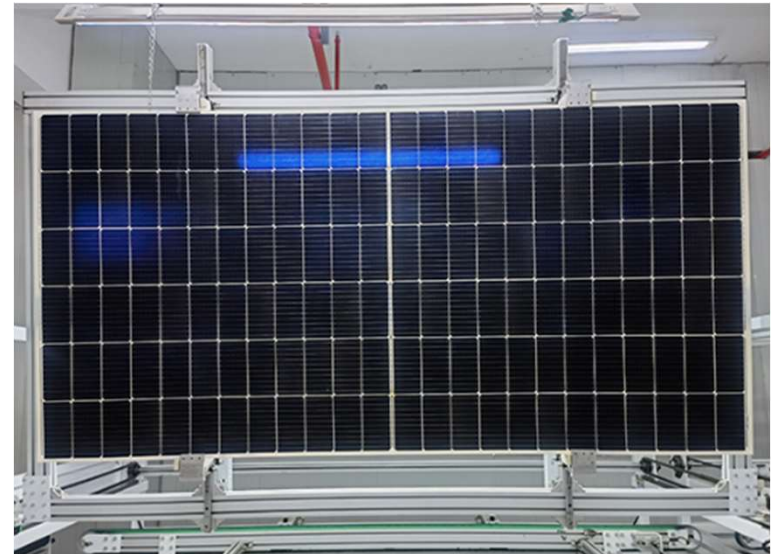


Solar Panels



550 W Ultra-High Power
182mm 550Watt 550W Perc
Solar PV Panel

- Item NO.:
- BSM550M10-72HPH
- Solar Cell :
- Mono-Facial 182mm
- Number Of Cells :
- 144(6*24)
- Power Range :
- 525W-555W
- Size :
- 2279*1134*35mm
- Certificate :
- TUV, CE



Solar Panels



High Performance

Monocrystalline Solar Panels

530w Solar Panel 540w 550w

555w Half Cut Solar Panels

- Item NO.:

- BSM550M10-72HPH

- Solar Cell :

- 182mm Solar Cell Solar Panel

- Number Of Cells :

- 144cell

- Power Range :

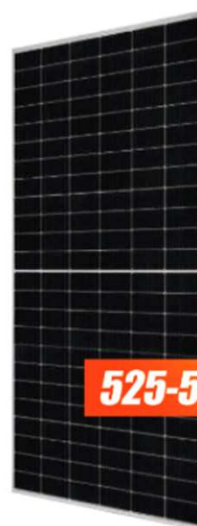
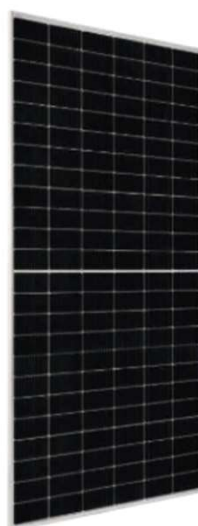
- 525w-550w

- Size :

- 2279*1134*35mm

- Certificate :

- TUV, ETL, CSA, CE, ISO



525-550W



525-550W



550W

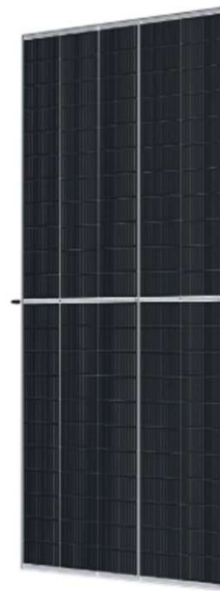
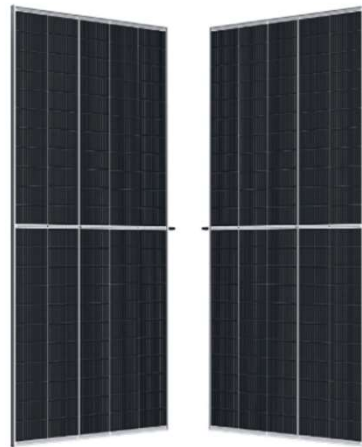
182mm

Solar Panels



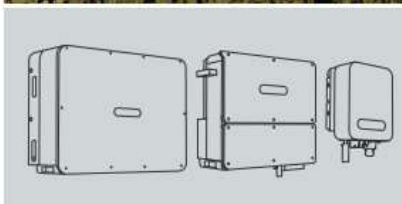
High Efficiency 210mm Solar
Cell Solar Panel 540W 550W
555W Half Cell Solar Panel
Mono Perc Solar Panel

- Solar Cell :
- 210mm Solar Cell Solar
Panel
- Number Of Cells :
- 144cell
- Power Range :
- 535w-555w
- Size :
- 2279*1134*35mm
- Certificate :
- TUV, ETL, CSA, CE, ISO





VANTAGE SOLAR



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HYBRID HOME ENERGY SOLUTION



6KW Hybrid Solar Power System Components List				8KW Hybrid Solar Power System Components List			
Item	Model	Description	Quantity	Item	Model	Description	Quantity
1	Solar Panel	Shingled Mono 440w	14 pc	1	Solar Panel	Shingled Mono 440w	20 pc
2	Combiner Box	1input 1output	1 pc	2	Combiner Box	2input 1output	1 pc
3	Hybrid Inverter	6KW, 230V/50Hz	1 pc	3	Hybrid Inverter	8KW, 380V/50Hz	1 pc
4	Lithium Battery	Total 16.26KWH	1 Set	4	Lithium Battery	Total 21.68KWH	1 Set
5	Cable	4mm2	400 meter	5	Cable	4mm2	600 meter
6	Connector	MC4 Connectors	4 Pairs	6	Connector	MC4 Connectors	6 Pairs
7	Mounting Support	Ground/Roof Mounted	1 Set	7	Mounting Support	Ground/Roof Mounted	1 Set

10KW Hybrid Solar Power System Components List				12KW Hybrid Solar Power System Components List			
Item	Model	Description	Quantity	Item	Model	Description	Quantity
1	Solar Panel	Shingled Mono 440w	22 pc	1	Solar Panel	Shingled Mono 440w	28 pc
2	Combiner Box	2input 1output	1 pc	2	Combiner Box	2input 1output	1 pc
3	Hybrid Inverter	10KW, 380V/50Hz	1 pc	3	Hybrid Inverter	12KW, 380V/50Hz	1 pc
4	Lithium Battery	Total 21.68KWH	1 Set	4	Lithium Battery	Total 27.13KWH	1 Set
5	Cable	4mm2	800 meter	5	Cable	4mm2	800 meter
6	Connector	MC4 Connectors	8 Pairs	6	Connector	MC4 Connectors	8 Pairs
7	Mounting Support	Ground/Roof Mounted	1 Set	7	Mounting Support	Ground/Roof Mounted	1 Set



HYBRID INVERTER

6KW HYBRID INVERTER



Application Scenario



Product Topology



VANTAGE SOLAR

Flexible

Wide input voltage range. Compatible with lead-acid or lithium-ion batteries or other battery

Reliable

Compatible anti counter flow function, Battery reverse connect protection.

Grace

Fashion appearance, light weight, smart operation. Natural cooling, low noise, IP65, wall mounted design, saving space. Touch screen LCD.

Advanced

Intelligent energy management system for home. Power dispatching and demand side response management. Distributed virtual power station management.

HYBRID INVERTER



TECHNICAL PARAMETERS

Model		BSE6KL1
PV input	Max. input Power	7000W
	Start-up voltage	125V
	Max. PV voltage	550V
	MPPT range/nominal	125V-500V /360V
	Max. input current	14A/14A
	MPPT tracker/strings	2/1
AC OUT PUT	Rated power w/ia	6000VA/6000W
	Max. output current	26A
	Nominal voltage/range	230V /180Vac-280Vac
	Frequency	50 /60Hz
	PF	0.99lagging-0.99leading
	THDI	<3%
Battery	AC output topology	L+N+PE
	Battery voltage range	40-58V
	Max. charging voltage	58V
	Charge/discharge current	95A/110A
EPS output	Battery type	Lithium /Lead-acid
	Communication interface	CAN/RS485
	Rated power w/ia	6000VA/6000W
	Rated voltage	230Vac
	Rated current	26A
	Rated frequency	50 /60Hz
Genera DATA	Automatic switchover time	<20ms
	THDU	<2%
	Overload capacity	110%/60S/120%/30s/150%/10s
	Battery charge/discharge	95.5%/95%
	DC max. efficiency	97.6%
	Euro efficiency	97%
	MPPT efficiency	99.9%
	Protection class	IP65
	Noise emission (typical)	<35dB
	Operation temperature	-25°C ~ +60°C
	Cooling	Natural
	Relative humidity	0-95%(non-condensing)
	Altitude	2000m
	Dimensions (WxDxH)	550x200x115mm
Features	Weight	28kg
	Inverter topology	Without transformer
	Self-consumption	<3W
	Display	LCD
	Interface:rs485/wifi/bluetooth/can/dm	yes /opt/opt/yes/yes
Features	Certificates	CE- TUV- SAA



Solar Roof Mounting system



Mounting Structure

Pre-assembly and flexibility

Low cost and high application

Anti-corrosion

100% recycled

Portable



Solar Roof Mounting system



Solar Roof Mounting system



Solar Panel Roof Mounting Kit

Type :	Pitched Roof
Material :	Aluminium Alloy
Slope :	Any
Wind Load :	60m/S
Certificate :	GB50009,JIS C8955,DIN 1055
Lead Time :	10 Workdays

Solar Roof Mounting system



VANTAGE SOLAR

TILE ROOF



TIN ROOF



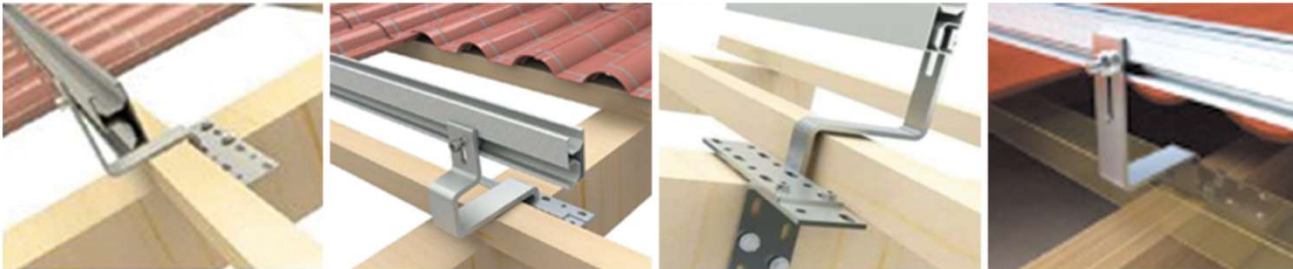
SPECIFICATIONS

► Installation site	Pitched roof.
► Installation angle	parallel to the roof.
► Wind speed	<60m/s.
► Snow load	<1.2KN/m ² .
► Build height	<20m.
► Material	Al 6063-T5 & SUS304.
► Surface treatment	Anodizing.
► Refer to standard	GB50009, JISC8955, DIN1055.
► Warranty	10-year warranty , 20-year service life.

Solar Roof Mounting system

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► Warranty	10-year warranty , 20-year service life.



- Pitched roof mounting structure system designs with great flexibility both for commercial and residential roof solar system.
- It is suitable for installing framed and frameless modules flushed to the Pitched roof .
- Easy to install , high preassembly parts and customized solution will save your installation time and money.
- Bluesun Solar has developed several special Structure for Solar Panels , by them, PV Panel Mounting Systems will plying-up roofing and prevent roof leaking.
- **Panel Mounting System** with aluminium alloy and stainless steel material will make all Solar Panel Fasteners stable and anti-corrosion.



Energy Storage System

LIFEPO4



BATTERY



SM48106W are lithium iron phosphate battery system , which can be used to provide safe, reliable, and stable energy for various equipment. At the same time, the module supports expansion on both capacity and power by multiple parallel uses. It supports CAN, RS485, RS232 communication, and can meet the requirements of various PV inverter communication protocols.

BSM48106W has the advantages of high safety performance, long life span, wide charging voltage range, simple installation, and standard modular design. Products can be widely used in household energy storage, industrial and commercial energy storage and other fields.

BSM48106W

51.2V 106AH

BATTERY



- Modular design, light weight, small size
- More than 10 years long service life
- High compatibility BMS, seamless communication with energy storage inverter
- Suitable for long-term charge and discharge cycle



BSM48106W Modular design, multiple batteries can be connected in parallel to expand capacity;

Battery can be installed in the supporting chassis, floor or wall installation, compared with similar products to save 20% space;

Battery charge and discharge management, protection, and alarm are automatically implemented without manual operation



Application :

It is widely used in Energy Storage System, Instrument, Medical Equipment, Financial/Commercial Equipment, Security/Electric Power Equipment

Automotive grade LiFePO4 cell:

high energy density highest-level safety, longest service life

Professional BMS:

voltage acquisition, temperature collection, balance control status indication

Compatible with mainstream off-grid and on-grid inverters

Weight: 98KGS
Size/mm: 648*786*162



Basic Parameters	BSM48212
Nominal Voltage (V)	51.2
Nominal Capacity (KWH)	10.8544
Usable Capacity (KWH)	9768.96(90% DOD)
Discharge Voltage (V)	40
Charge Voltage (V)	58.4
Recommend Charge/Discharge Current (A)	50
Max. Charge/Discharge Current(A)	100
Peak Charge/Discharge Current(A)	120(15S)
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Discharge
Shelf Temperature	-20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	10 years+
Cycle Life	>6000
Size	648*786*162
Weight	98KGS



Application :

It is widely used in Energy Storage System, Instrument, Medical Equipment, Financial/Commercial Equipment, Security/Electric Power Equipment

Automotive grade LiFePO4 cell:

high energy density highest-level safety, longest service life

Professional BMS:

voltage acquisition, temperature collection, balance control status indication

Compatible with mainstream off-grid and on-grid inverters

Weight: 55KGS
Size/mm: 648*462*162



Basic Parameters	BSM48106
Nominal Voltage (V)	51.2
Nominal Capacity (KWH)	5427.2
Usable Capacity (KWH)	4884.4(90% DOD)
Discharge Voltage (V)	40
Charge Voltage (V)	58.4
Recommend Charge/Discharge Current (A)	50
Max. Charge/Discharge Current(A)	100
Peak Charge/Discharge Current(A)	120(15S)
Communication	RS485/RS232/CAN
Compatible Inverter	Goodwe/Victron/Solis/Luxpower/Growat GMDE/Sofar/Voltronice/SMA/Deye
Working Temperature	0°C~50°C Charge -10°C ~50°C Discharge
Shelf Temperature	-20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	10 years+
Cycle Life	>6000
Size	648*462*162
Weight	55KGS



Automotive grade LiFePO4 cell:

high energy density highest-level safety, longest service life

Professional BMS:

voltage acquisition, temperature collection, balance control status indication

Compatible with mainstream off-grid and on-grid inverters

Weight: 48KGS
Size/mm: 450*412*133

Basic Parameters	BSM48106	BSM24212
Nominal Voltage (V)	51.2	25.6
Nominal Capacity (KWH)	5427.2	5427.2
Usable Capacity (KWH)	4884.4(90% DOD)	4884.4(90% DOD)
Discharge Voltage (V)	40	20
Charge Voltage (V)	58.4	29.2
Recommend Charge/Discharge Current (A)	50	100
Max. Charge/Discharge Current(A)	100	200
Peak Charge/Discharge Current(A)	120(15S)	240(15S)
Communication	RS485/RS232/CAN	RS485/RS232/CAN
Working Temperature	0°C~50°C (Charge) -10°C ~50°C (Discharge)	0°C~50°C (Charge) -10°C ~50°C (Discharge)
Shelf Temperature	-20°C~60°C	-20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS	CE/IEC/UL/UN38.3/MSDS
Design Life	10 years+	10 years+
Cycle Life	>6000(90%DOD)	>6000(90%DOD)
Size	450*412*133	450*412*133
Weight	48KGS	48KGS

Automotive grade LiFePO4 cell:

high energy density highest-level safety, longest service life

Professional BMS:

voltage acquisition, temperature collection, balance control status indication

Compatible with mainstream off-grid and on-grid inverters

Weight: 23KGS
Size/mm: 450*412*177.8



Basic Parameters	BSMC-1000V-120A	BSMC-1000V-250A
Related Product	1000V 120A	1000V 250A
AC Supply	---	---
System Operation Voltage (Vdc)	0~1000	0~1000
Operation Current (Max.) (A)	120	250
Self-consumption Power (W)	8	8
Dimension (W* D* H, mm)	450*412*177.8	450*412*177.8
Communication	MODBUSRTU/CAN/RS485	MODBUSRTU/CAN/RS485
Protection Class	IP20	IP20
Weight (kg)	20	20
Operation Life	15+	15+
Operation Temperature	-20℃~65℃	-20℃~65℃
Storage Temperature	-40℃ - 80℃	-40℃~80℃

Application :

It is widely used in Energy Storage System, Instrument, Medical Equipment, Financial/Commercial Equipment, Security/Electric Power Equipment

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Weight: 48KGS

Size/mm: 450*412*133



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Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	10 years+
Cycle Life	>6000
Size	450*412*133(3U)
Weight	48KGS



VANTAGE SOLAR

Enquires

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