

RESIDENTIAL SOLAR POWER SOLUTION

STORAGE SOLUTION

Premium High Performance
Solar Modules
and System



ROCKPORT TRADING

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2024

CATALOGUE

ALL IN ONE SOLAR SYSTEM

RESIDENTIAL SOLAR POWER SOLUTION

ROCKPORT TRADING is a professional manufacturer

of solar energy systems and a distributor of top-quality related products, such as solar panels, inverters, solar batteries and so on. We adopt the latest technology and equipment to ensure our solar systems to be high-efficient, reliable, and long-lasting.

We pursue innovation, reliability, and responsibility, and we strive to uphold these values in all aspects of our business. Adhering to the core culture of "Thanksgiving", and we believe that only on the basis of trust, respect, and gratitude can we build strong and long-term relationships with our customers.

1 HYBRID SOLAR ENERGY SYSTEM

Hybrid energystoragesystem is a photovoltaic and energy storage integrated optical storage system, the system provides a variety of working modes, convenient for the user's electricity cost, to ensure the stability of electricity consumption.

2 OFF GRID SOLAR POWER SYSTEM

Off-gridphotovoltaic power generation systems cangenerateand consume electricity locally. It makes full use of the characteristics of the widespread existence of solar energy and supplies power to the load through photovoltaic modules, solar controllers, and inverters. At the same time, it also charges the battery bank. When the photovoltaic power is not enough, the energy storage battery will be used to power the load through the controller and inverter. It is characterized by simple installation and flexible design.

3 ON GRID SOLAR POWER PLANT

Grid connection refersto the connectionof power generationequipment to the power system, facilitating bidirectional energy transmission and exchange. In the energy industry, it is a key aspect of renewable energy generation and a necessary condition for advancing clean energy development.

4 OTHER



OUR COMPANY

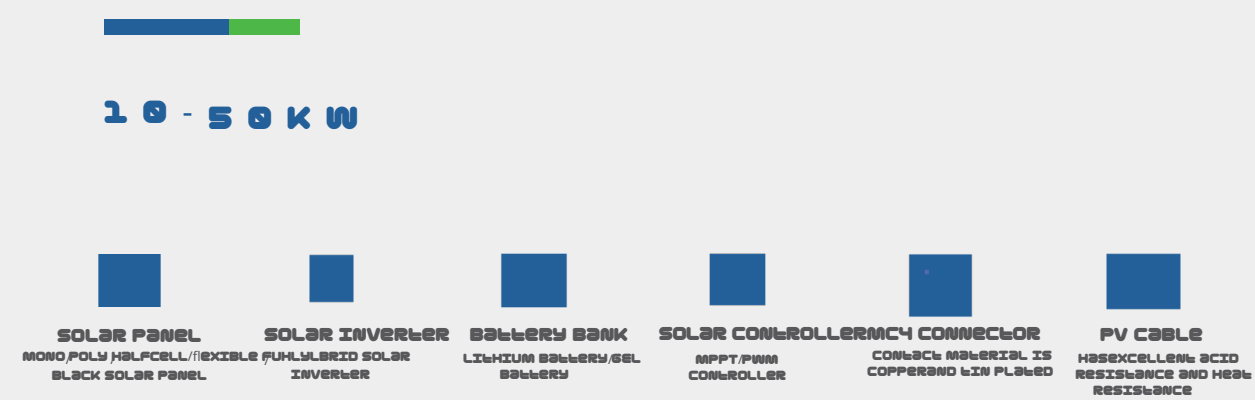
ROCKPORT TRADING is a professional enterprise specializing in the research, development, production, and sales of solar panels. Our factory is headquartered in USA and has a modern production base and advanced production equipment, committed to providing high-quality solar products and excellent service to customers worldwide.

Our solar panels are manufactured using the latest technology and processes to ensure high efficiency and long lifespan. Product range covers multicrystalline solar panels, monocrystalline solar panels, as well as a range of components and accessories related to solar panels. These products are widely used in various fields such as rooftops, agriculture, industry, public utilities, and residential use.

The company has a dynamic and innovative R&D team that continuously launches new products and technologies to meet customer demand for solar products. Our production processes strictly adhere to the ISO 9001 quality management system to ensure product quality and stability. Additionally, our products have obtained relevant certifications such as German TUV, CE, etc.



HYBRID SOLAR ENERGY SYSTEM



Solar Panel

LRS182-54H



LTB182-410-430B TOPCON
Bifacial Monocrystalline Module

Number of Cells	108 Cells [6x18]
Dimensions of Module L*W*H [mm]	1722x1134x30mm
Weight [kg]	22.0 kg
Front Side Glass	High transparency solar glass 2.0mm
Back Side Glass	High transparency solar glass 2.0mm
Frame	Black Anodized Aluminium Alloy
Junction Box	IP68 rated
Number of diodes	3
Connector	MC4



LRS182-54H 400~420W
Higher Output Power Low Light Features
Harsh Environmental

Cell Orientation	108 (6x18)
Junction Box	IP68, three diodes
Output Cable	4mm ² , 300mm in length, length can be customized
Glass	Single glass 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight:	20.5kg±3%
Dimensions	1722x1134x30mm
on	36pcs per pallet
Packaging	936pcs per 40'GP



LRS182-60HB 440~460W
Higher Output Power Low Light Features
Harsh Environmental

Cell Orientation	120 (6x20)
Junction Box	IP68, three diodes
Output Cable	4mm ² , 350mm in length, length can be customized
Glass	Single glass 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight:	20.5kg±3%
Dimensions	1910x1134x35mm
on	31pcs per pallet
Packaging	744pcs per 40'GP



THREE PHASE HYBRID INVERTER

- SUN- 8 / 10 /12 K-SGO4LP3-EU
- 100%unbalanced output, each phase; Max.output up to 50%rated power AC couple to retrofit existing solar system
 - Max. 10 pcs parallel for on-grid and o -gridoperation, Support multiple batteries parallel
 - Max. charging/discharging current of 240A
 - 48V low voltage battery, transformer isolation design
 - 6 time periods for battery charging/discharging
 - Support storing energy from diesel generator



GROWATT HYBRID INVERTER

- SPH 3000~6000TL BL-UP
- 1Smart load management via dry contact
 - UPS function, 10ms transition Scalable
 - system configuration VPP interface ready
 - Remote smart O&M 2 DC/AC Ratio
 -
 -

HIGH VOLTAGE THREE PHASE HYBRID INVERTER

4.0KW/5.0KW/6.0KW/8.0KW/10.0KW/12.0KW

- Big lcd display
- Power export limit
- Big lcd display
- Power export limit



SPLIT- PHASE INVERTER

- Batteryvoltage: 48V
- Max. 3 pcs in parallel
 - Support multi-machine parallel mode sharing a battery pack;Single-machine load capacity 100A
 - Support parallel SOC equalization control and parallelcurrent sharing control
 - Using split-phase topology and eliminating the transformers,to make the system e ciency higher
 - Support the diesel generator and the grid access at the same time



ALL-IN-ONE SOLAR CHARGE INVERTER

- SPI-8K-U/SPI-10K-U
- Load friendly: Stable sine wave AC output via SPWM modulation
 - Supports a wide range of battery technology: GEL, AGM, Flooded, LFP, and program.
 - Dual LFP battery activation method: PV&mains
 - Uninterrupted power supply: simultaneous connection to utility grid/generator and PV
 - Intelligent programming: the priority of the output from di erent energy sources can be set

HYBRID INVERTER/THREE-PHASE

12-20KW

- Safe and reliable
- IP65 protection
- Easy Installation
- PV &storage system



SOLAR HYBRID INVERTER

LOVSUN SYP-5K-U

- Safe and reliable
- ON/OFF switch controls the inverter AC output
- Easy Installation
- PV &storage system



LFP-POWERWALL BOX

48V100AH/48V200AH

Wall mounted battery&compact design ease of installation
Compatible with multiple inverters Multiple communication interfaces
RS232,RS485,CAN
Ip21 Protection, indoor application
Use of parallel connection;from 2 to 10 modules
High energy density,110wh/kg
Multiple protection LiFePO4 material, safe and long life



LIFEPO4 HIGH VOLTAGE BATTERY

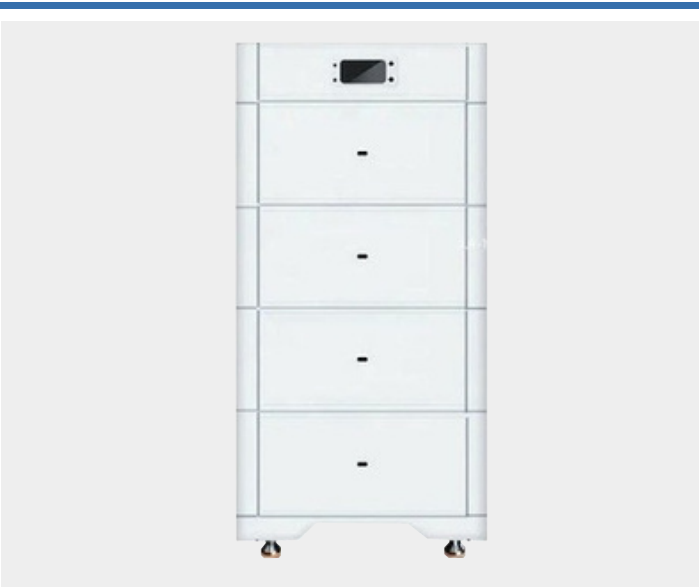
10kwh-20kwh

6000 Cycle Life@25°C
5120/10240W Capacity
7680/10200W Peak Power
No DIP Switch Automatically Assign Module Address
Solid-State LFP Battery Cells
1.5C Discharging Rate
Increase 8% Energy Density
93% Max.Recommended DOD (Capacity)

POWERWALL LITHIUM BATTERY

51.2V100AH/51.2V200AH

Vertical industry integration ensures more than 6000 cycles with 80%
DoD.Safe Lithium iron phosphate battery cell.
Just plug and play to minimize the installation time and cost.Compact
and fashionable design fits in your sweet homeenvironment.
Compatible with most of the avallable Hybrid inverters
UL1642.IEC62619.CE UN38 .3.MSDS



Lovsun HV BATTERY PACK

10-40kWh

- Long Design Life
- Multiple Protection
- Modular Design
- Dekra Certification
- Scalable&Flexible
- Easy Maintenance

RESIDENTIAL ESSS

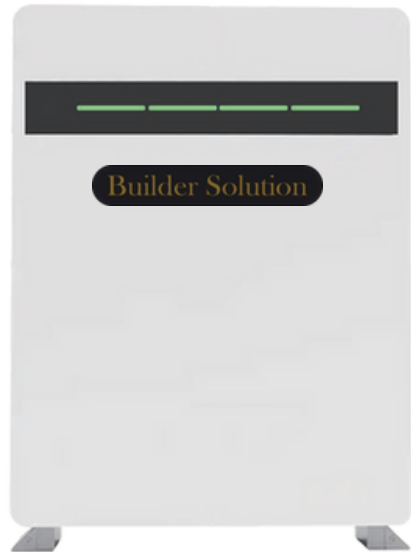
9.6kwh/14.4kWh/19.2kWh

- LiFePO4 Safe Battery Chemistry
- Remote software programup date, fault diagnosis
- Visual interface,real-time monitoring of product status
- >6,000 Cycles at 90% DOD
- Easy Installation & After Sales Service
- High energy density

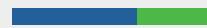
51.2V WALL MOUNTED
LIFEPO4 BATTERY

5KWH/7.5KWH/10KWH

6000 cyclesat 80% DOD
1C/1C continualcharge and discharge
10Years (board 5years,cell 10years)
Superior LiFePO4safety performance
Low voltagesafety connection
Max. 8 modules parallel



COMMERCIAL ON GRID PHOTOVOLTAIC SOLAR SYSTEM



50 - 150 KW

- 

SOLAR PANEL
MONO POLY HALF CELL / FLEXIBLE FULLON GRID
BLACK SOLAR PANEL
- 

SOLAR INVERTER
INVERTER
- 

SOLAR CONTROLLER
MPPT / PWM
CONTROLLER
- 

SOLAR CONNECTOR
CONTACT MATERIAL IS
COPPER AND TIN PLATED
- 

PV CABLE
HAS EXCELLENT ACID
RESISTANCE AND HEAT
RESISTANCE



Solar Panel



LRS182-72H 535~560W

Higher Output Power Low Light Features
Harsh Environmental

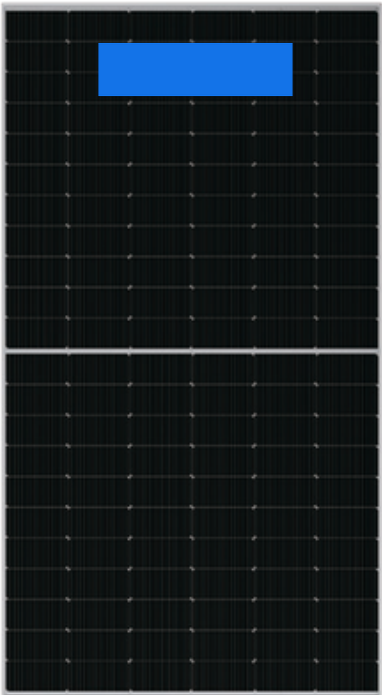
Cell	144 (6x24)
Orientation	IP68, three diodes
Junction	4mm2, 300mm in length,
Box Output	length can be customized
Glass	Single glass
	3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight:	28kg±3%
Dimensions	2279x1134x30mm
Packing	36pcs per pallet
	720pcs per 40'ft Container



LRS182-72HB 570~600W

182mm Cells All Black Mono PERC with
MBB & Half-cut Technology

Cell Orientation	156 (6x26)
Junction Box	IP68, three diodes
Output Cable	4mm2, 300mm in length,
	length can be customized
Glass	Single glass
	3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight:	30.5kg±3%
Dimensions	2465x1134x35mm
Packing	31pcs per pallet
	496pcs per 40'ft Container



LRS210-66H 660~685W

Higher Output Power Low Light Features
Harsh Environmental

Cell Orientation	132 (6x22)
Junction Box	IP68, three diodes
Output Cable	4mm2, 300mm in length,
	length can be customized
Glass	Single glass
	3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight:	33.6kg±3%
Dimensions	2384x1303x35mm
Packing	31pcs per pallet
	558pcs per 40'GP

ON GRID INVERTER



MOD 10~15K TL3-X

- Max. efficiency 98.6%
- OLED and touch button
- Type II SPD on DC and AC side
- String monitoring
- AFCl function ready



SUN200-0100KTL-M1



10
MPP Trackers



98.8% (@480V)
Max. Efficiency



String-level
Management



MBUS
Supported



Smart I-V Curve Diagnosis
Supported

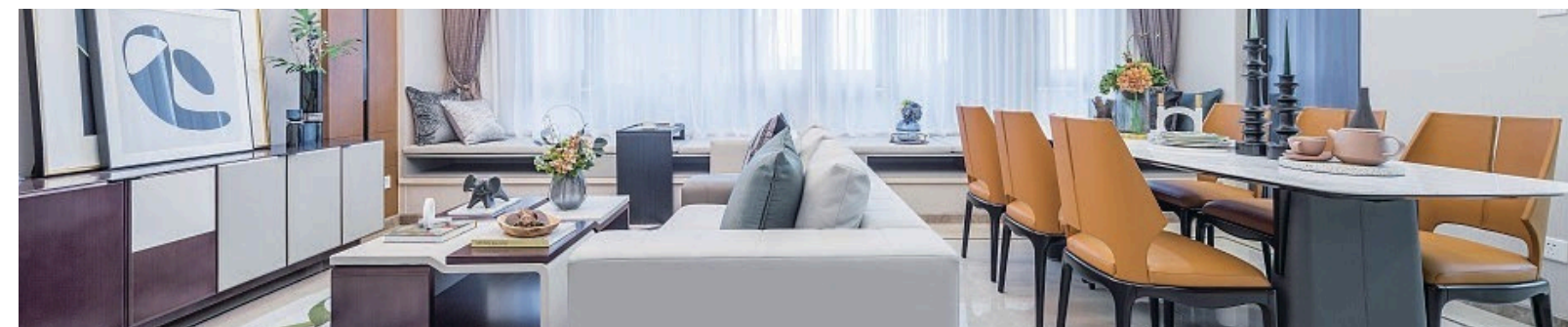
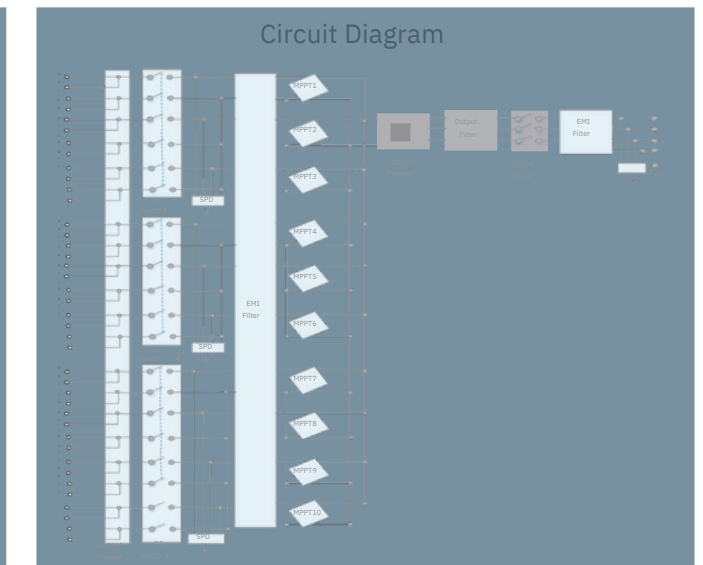
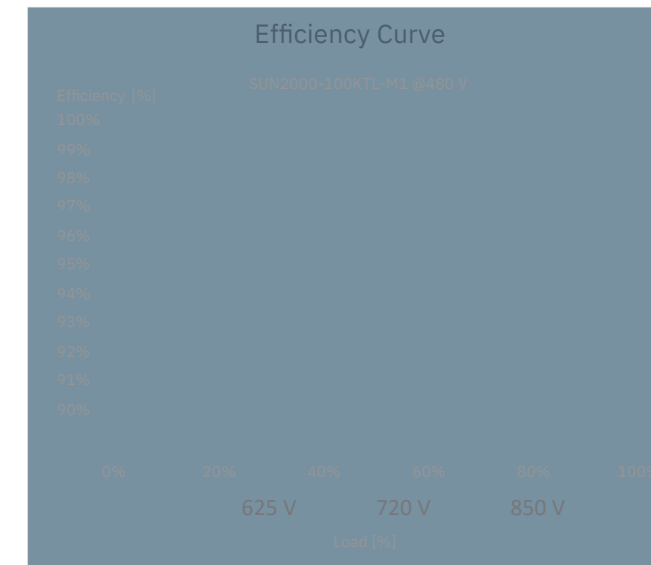


Fuse Free
Design



MID 15~25KTL3-X

- Max. efficiency 98.75%
- Dual MPP trackers
- Supports export control
- Touch key and OLED display
- Type II SPD on AC and DC side



OFF GRID SOLAR SOLAR SYSTEM

3 - 30 KW

3 - 30 KW



SOLAR PANEL
MONO POLY HALF CELL / FLEXIBLE ROLLOFF GRID
BLACK SOLAR PANEL



SOLAR INVERTER
MPPT / PWM
INVERTER



SOLAR CONTROLLER
MPPT / PWM
CONTROLLER



CONNECTOR
CONTACT MATERIAL IS
COPPER AND TIN PLATED



PV CABLE
HAS EXCELLENT ACID
RESISTANCE AND HEAT
RESISTANCE



BATTERY BANK
LITHIUM BATTERY / GEL
BATTERY



Solar Panel



LTS182-560-580W
144 Half-Cell Layout

Solar Cells	N-type Mono
No. of Cells	144(6x24)
Dimensions	2279 x 1134 x 35mm
Weight Front	27.5kgs
Glass Frame	3.2mm coated tempered glass
Junction Box	Anodized aluminium alloy
	IP68 rated (3 by pass diodes)
	4.0mm ² /300mm(+) / 300mm(-)
	Length can be customized
Output Cables	MC4 compatible
Connectors	5400Pa
Mechanical load test	



LRS210-66H 675~700W
Higher Output Power Low Light Features
Harsh Environmental

Cell Orientation	132 (6x22)
Junction Box	IP68, three diodes
Output Cable	4mm ² , 300mm in length, length can be customized
Glass	Single glass
	3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight:	33.6kg±3%
Dimensions	2384x1303x35mm
on	31pcs per pallet
Packaging	558pcs per 40'GP



LTB182-410-430W
144 MONO-BIFACIAL

Cell Type	182 N type Mono-crystalline
No. of cells	144(6x72)
Dimensions	2278x1134x35mm
Weight	32.3 kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction BoX	IP68 Rated
Output Cables	TUV 1x4.0mm
Connector	MC4 compatible or MC compatible



OFF GRID SOLAR INVERTER

3-5KW

Pure sinewave inverter
Overload and shortCircuit protection
Auto restart whileAC is recovering
Cold start function



OFF GRID SOLAR INVERTER

4-6KW

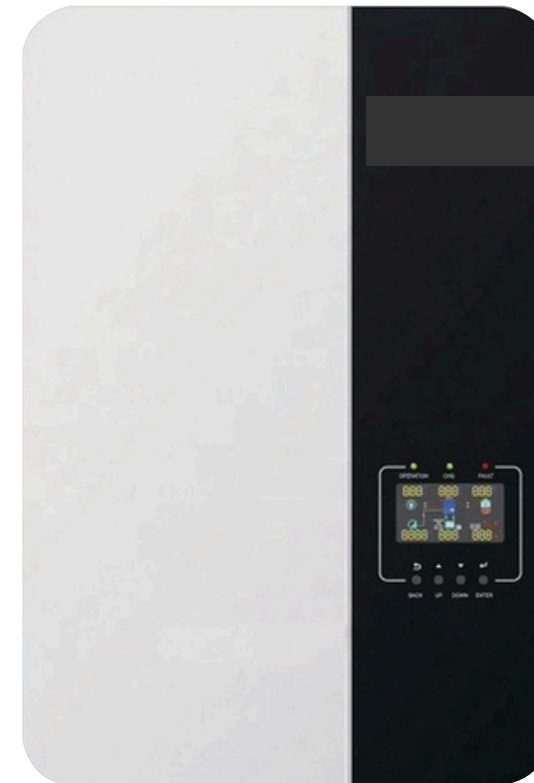
Dual output for smart load management
MaximumPV input current 27A
Support USB On-the Go function
Data log eventstored in the inverter



SP SERIES HYBRID SOLAR INVERTE

3-6.2KW

Pure sine wave inverter
Programmable supply priority for PV, battery or Grid
High PV input voltage range(55~450VDC)
Built-in Max110A(3.6KW&6.2KW)MPPTsolar charge
Compatibe with lithium-ion battery
Support BMS communication with Lithium battery
Smart battery charge design to optimize battery life



SPF 3000TL LVM-ES

Inversor Cargador

Controlador de carga con MPPT integrado
Función de carga de compensación
Funciona con o sin batería
Voltaje de entrada FV hasta 250 VDC



Battery

48V RACK LITHIUM BATTERY

5kWh 10kWh Energy Storage

LFP-Rack box, a Low-voltage lithium battery. With a scalable modular design, the capacity range can be expanded from 5.12KWh to 51.2kWh. The modules are connected by cable to support high-power work and are easy to install and maintain. Long life technology ensures more than 6000 cycles with 90% DOD



STATE LITHIUM BATTERY ESS

LFP 5120M/10240M

6000 Cycle Life@25°C
5120/10240W Capacity
7680/10200W Peak Power
No DIP Switch Automatically Assign Module Address
Solid-State LFP Battery Cells
1.5C Discharging Rate
Increase 8% Energy Density
93% Max. Recommended DOD (Capacity)



12V GEL BATTERY

100-250ah

6Maintenance free
Safety and no leakage
Excellent recharge and discharge performance
Low self-discharge rate
Adapt to high or low temperature
Good deep discharge performance
Longer cycle life



PV CABLES

PVCables in 4mm and 6mm², with TUV Certificate



DC AC SWITCH

BYH-32 true DC isolator switch in IP66 enclosure is developed for solar residential and commercial PV rooftop systems, should be installed between solar panels and inverter for DC power isolation.

MC4 CONNECTOR

MC4 PV Connectors 1000V, with TUV Certificate
Rated current: 30A
Rated voltage: 1000VDC





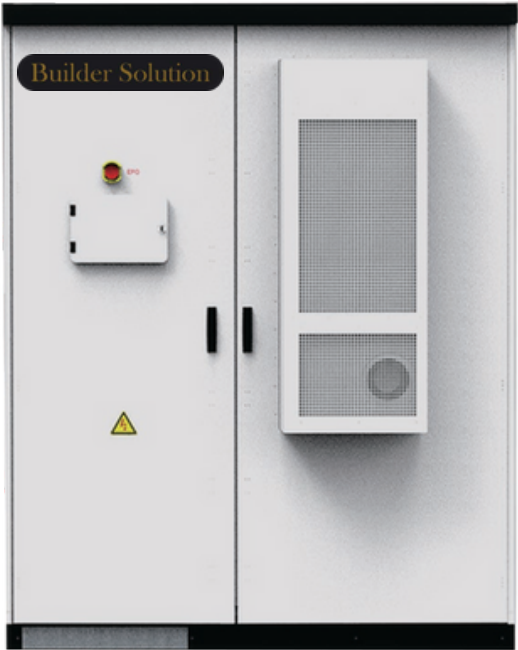
OUTDOOR CABINET ESS 50KW/100KWH



Features

-  All-in-one hybrid inverter
-  Seamless on/off grid transfer within 10 ms
-  Programmable working mode
-  Support remote control of DG
-  Intelligent and efficient
-  Diversified function

OUTDOOR CABINET ESS 100KW/215KWH



Outdoor Cabinet ESS
Smarter,Cleaner,Healthier Life!

Integration Product: power module, battery, refrigeration, fire protection, dynamic environment monitoring and energy management in one. It is suitable for microgrid scenarios such as small-scale commercial and industrial energy storage, photovoltaic diesel storage, and photovoltaic storage and charging. The local control screen can perform a variety of functions, such as monitoring system operation, formulating energy management strategies, and upgrading remote equipment.

Tile Roof Hook Solar PV Mounting System



Tile Hook 1

Feet and Hanger Bolt Kit Metal Roof PV Mounting System



Technical Parameters

System	Name	MRac Tile Hook Pitched Roof Tile, Flat Tile,	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation	Site	Slate Tile, Asphalt Shingle Tile 5-45°		International Building Code IBC 2009,
Foundation	Tilt Angle	≤60m/s ≤1.6KN/m2 Framed or Frameless		California Building Code CBC 2010
Wind Load	Snow Load	Portrait or Landscape	Hook Material	AL6005-T5(Anodized)
Applicable Solar Module			Fastener	SUS304&Zinc-Nickel Alloy Electroplated Steel
Panel Layout			Small Components	AL6005-T5(Anodized)
			Color	Silver or Customized
			Warranty	10 Years

Technical Parameters

System	Name	MRac L Feet Kit & Hanger Bolt Kit	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation	Site	Pitched Roof Trapezoidal Roof 0°		International Building Code IBC 2009,
Foundation	Tilt Angle	≤60m/s ≤1.6KN/m2 Framed or		California Building Code CBC 2010
Wind Load	Snow Load	Frameless Portrait or Landscape	Material	AL6005-T5(Anodized)
Applicable Solar Module			Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Panel Layout			Small Components	AL6005-T5(Anodized)
			Color	Silver or Customized
			Warranty	10-Year Warranty

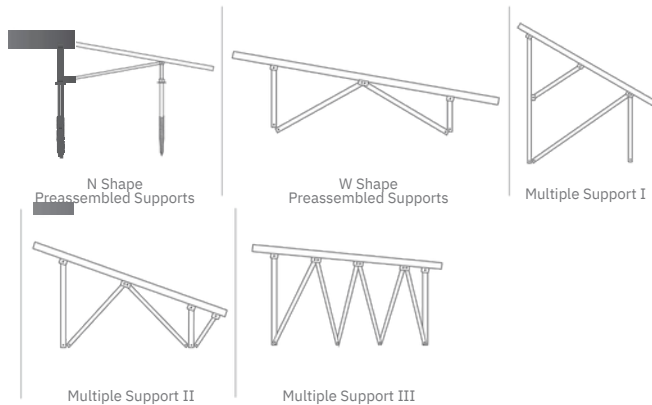
Balcony Solar Mounting System



Technical Parameters

System Name	MRac Balcony Solar Mounting System	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Balcony		International Building Code IBC 2009,
Installation Base	Metal Railings, Wall, Concrete Roof		California Building Code CBC 2010
Mounting Angle	10°-30°	Material	Steel & AL6005-T5
Wind Load	≤30m/s	Fastener	SUS304
Snow Load	≤1.0KN/m2	Small Components	AL6005-T5
Applicable Solar Module	Framed	Color	Natural Silver or Customized
Panel Layout	Horizontal	Warranty	10-Year Warranty

Ground Mounting System

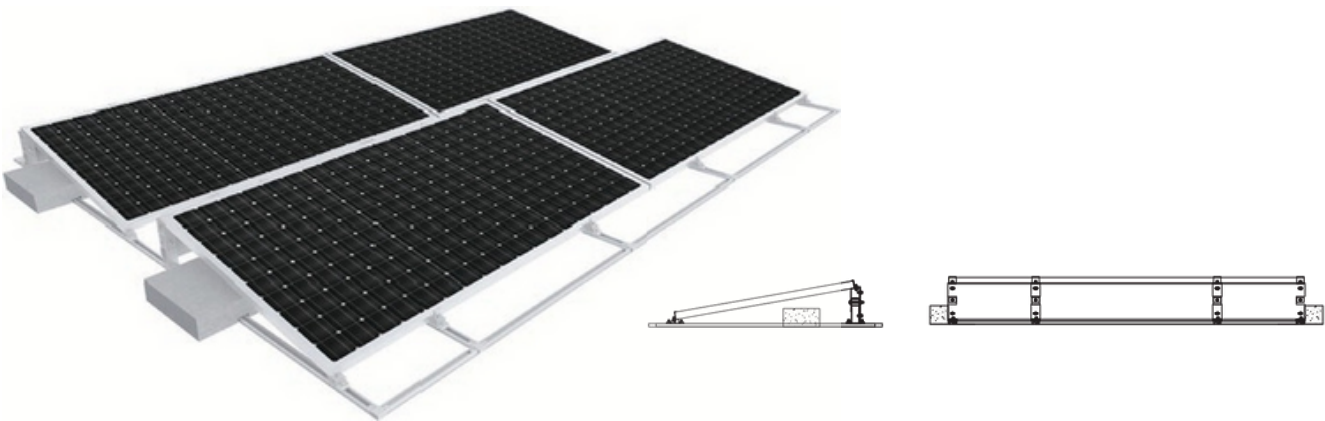


Technical Parameters

Installation	Site	Ground Concrete Base or	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Foundation	Tilt Angle	Ground Screw 0-60° ≤60m/s		International Building Code IBC 2009,
Wind Load	Snow Load	≤1.6KN/m2 ≤500-2000mm		California Building Code CBC 2010
Ground Clearance		Framed or Frameless Portrait	Material	AL6005-T5(Anodized)
Applicable Solar Module		or Landscape	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Panel Layout			Small Components	AL6005-T5(Anodized)
			Color	Silver or Customized
			Warranty	10-Year Warranty



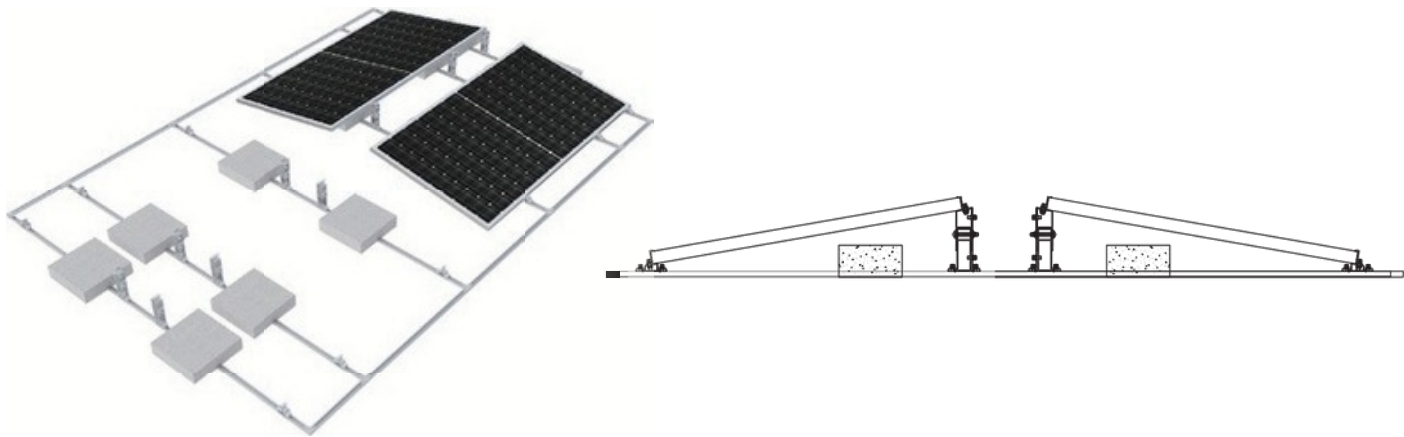
Roof Solar PV Mounting System RM-Ad



Technical Parameters

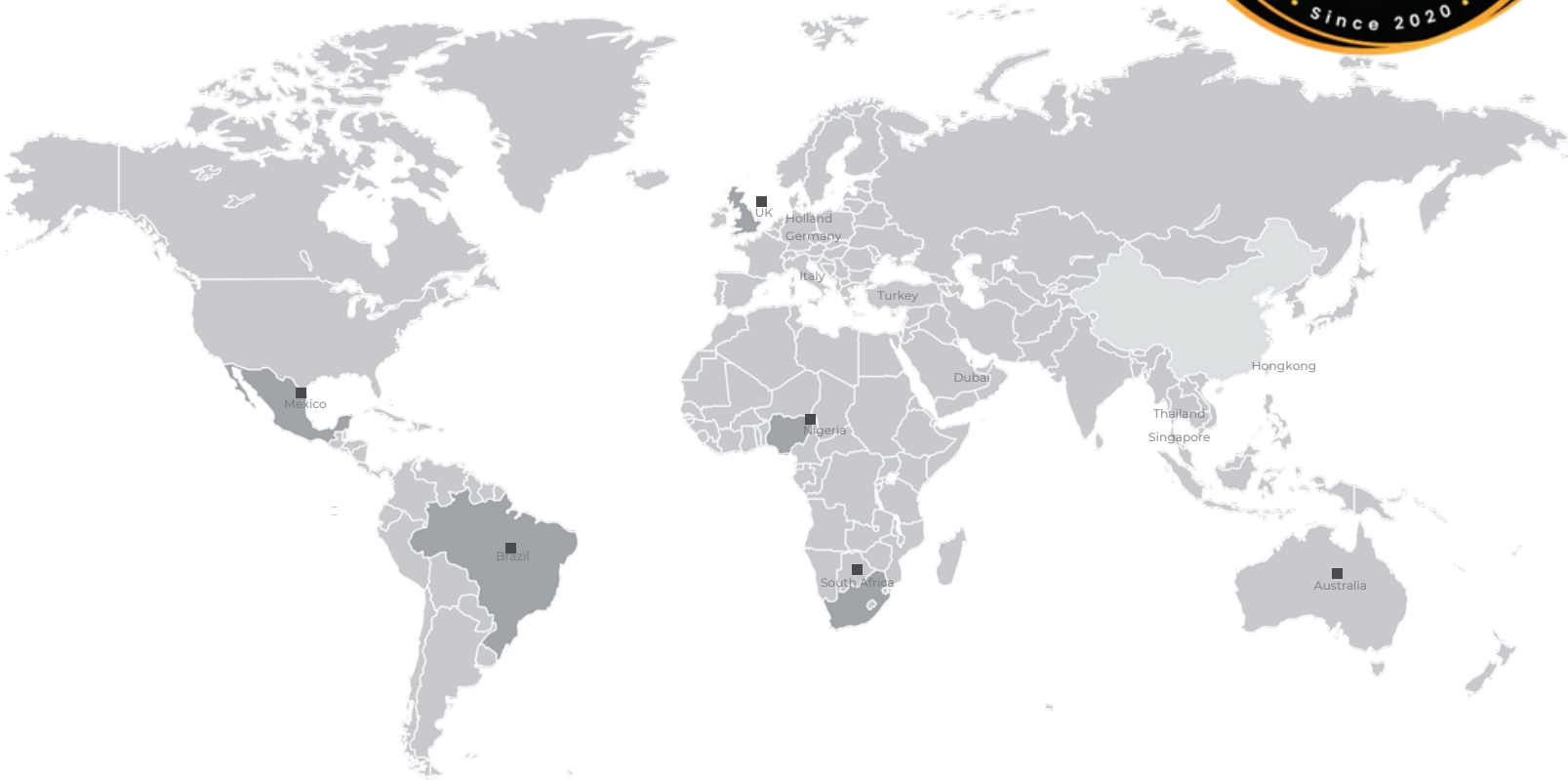
System	Name	MRac Roof Solar PV Mounting System RM-Ad	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation	Site	Roof	Flat Concrete roof, Flat ground, Membrane roof	International Building Code IBC 2009,
Type	Tilt Angle	Wind	Concrete Ballast	California Building Code CBC 2010
Load	Snow	Load	0-30°	Material
Applicable Solar Module			≤44m/s	Fastener
Panel Layout			≤1.6kN/m2	Small Components
			Framed/Frameless, Any width panel	Color
			Landscape	Warranty
				10-Year Warranty

Roof Solar PV Mounting System RM-Ad
Symmetric Ballast



Technical Parameters

System	Name	MRac Roof Solar PV Mounting System RM-Ad	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation	Site	Roof	Flat Concrete roof, Flat ground, Membrane roof	International Building Code IBC 2009,
Type	Tilt Angle	Wind	Concrete Ballast	California Building Code CBC 2010
Load	Snow	Load	0-30°	Material
Applicable Solar Module			≤44m/s	Fastener
Panel Layout			≤1.6kN/m2	Small Components
			Framed/Frameless, Any width panel	Color
			Landscape	Warranty
				10-Year Warranty



Country of sale

USA	UK	South Africa	Spain
Italy	Poland	Australia	Lebanon
		

Our vision

Over the past years, BS has helped thousands of users and companies produce and consume green energy independently according to their individual needs, saving millions of tonnes of CO₂ emissions. This motivates us to continually strive to create and innovate, on the universal carbon neutralization goal, and also a greener future energized by renewable energy technology.



Location: South Africa
Capacity: 5MW / 8MWh



Location: Germany
Capacity: 450kw/464kWh



Location: Croatia
Capacity: 120kW / 200kWh