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SEESUN

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PRODUCT BROCHURE





>>> About Seesun

Seesun New Energy is a global energy storage solutions supplier. Relying on professional solar system design capability, we have established product portfolio for full scenarios, including residential and C&I energy storage throughout the entire lifecycle. And we have provided safe, reliable and high-quality products and services to 1000+ users in 50+ countries and regions.

Customer satisfaction is always Seesun's top priority, we are collaborating with 30+ global brand partners to reduce the cost of renewable energy usage for users. As the pace of global energy transition accelerates, Seesun is committed to promoting sustainable development on a global scale through commercial deepening. It strives to work alongside the industry, market and society to build a low-carbon future worldwide.

Mission

Provide a one-stop solution for clean energy and take responsibility for sustainable development

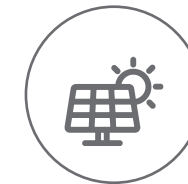
Vision

Optimize the energy portfolio and become an industry leader

Values

Reliability, value-add and fulfillment

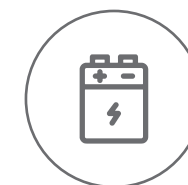
Product Bases



Solar Panel
Wuxi, Jiangsu

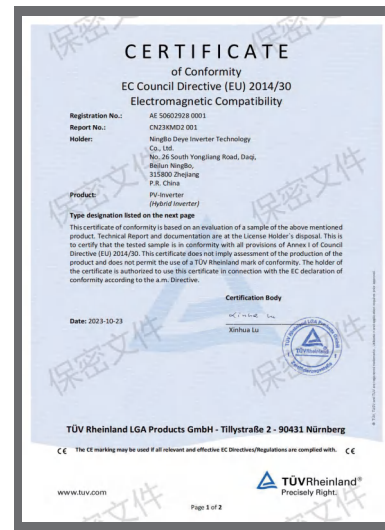
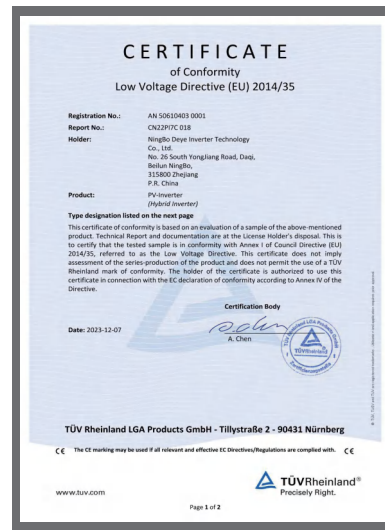
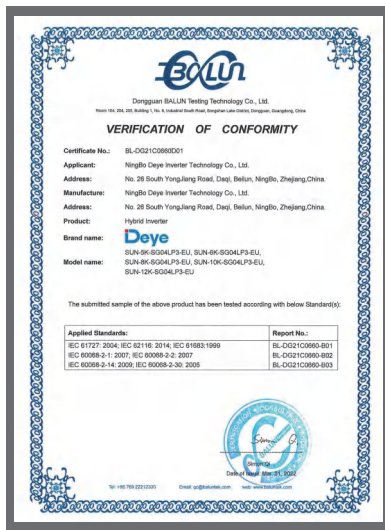
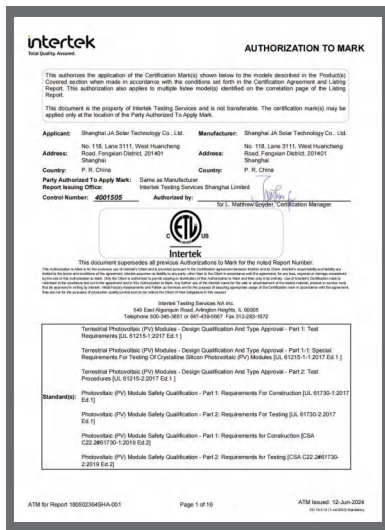


Solar Inverter
Ningbo, Zhejiang



Lithium Battery
Dongguan, Guangdong

Technical Certificates & Reports



■ Our Partners

LONGi

Solar
JinKO

Trinasolar

JA SOLAR

GROWATT

 **solis**


MEGAREVO

SINEXCEL

Deye

SOLAX
POWER

GOODWE

DYNESS

■ Our Products

 Off Grid Solar Kit

 On Grid Solar Kit

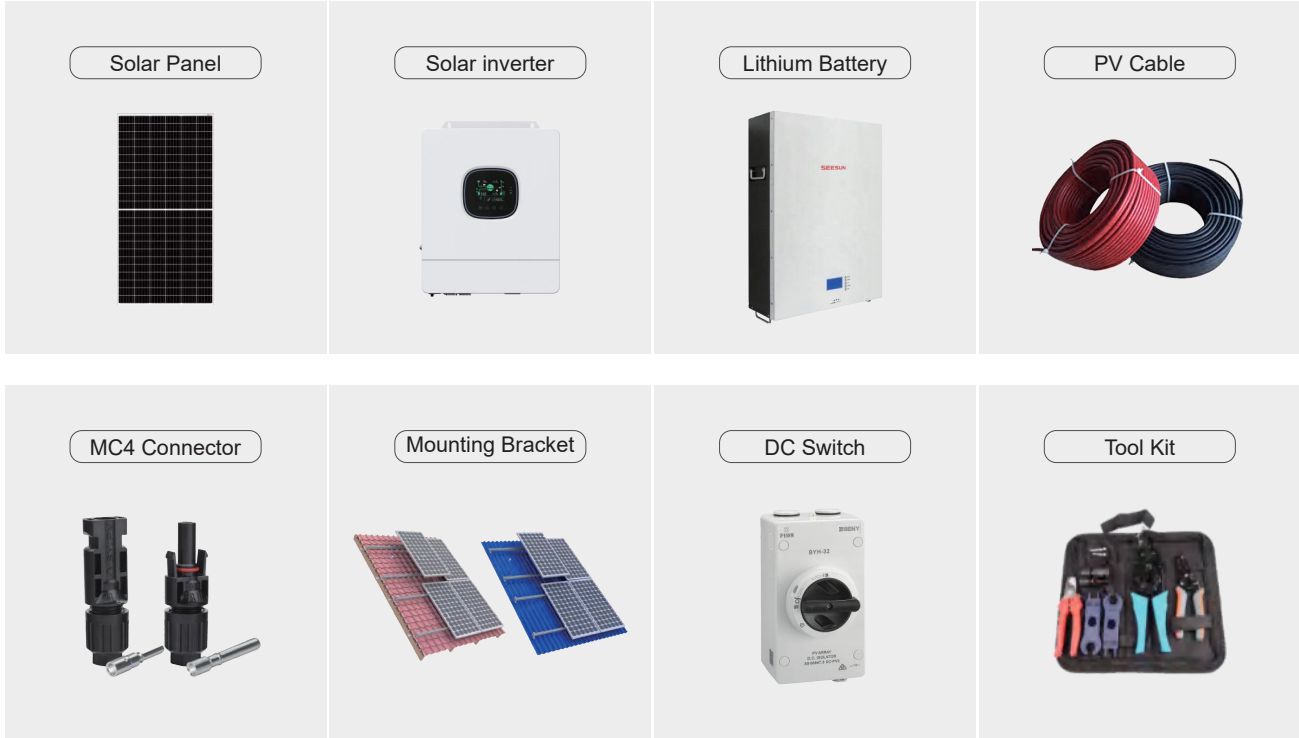
 Hybrid Solar Kit

 EV Charger

 BESS



Off Grid Solar Kit



System Layout	SS-5KW-OFF	SS-10KW-OFF
Number of Solar Panels	9	18
Number of Solar Panels per String	9	9
Total Strings	1	2
Number of Solar Inverters	1	1
Number of Solar Batteries	1	1
Number of PV Cable 6mm² 100m	2	2
Number of MC4 Connectors	10	10
Number of Mounting Bracket	1	1
Number of Wooden Box	1	1

Model	SS-5KW-OFF		SS-10KW-OFF
Solar Panel			
Testing Condition	STC		
Maximum Power(Pmax)	590		
Open Circuit Voltage(Voc)	52.37		
Short Circuit Current(Isc)	44.43		
Voltage at Maximum Power(Vmp)	13.94		
Current at Maximum Power(Imp)	13.28		
Module Efficiency	22.8		
Solar Inverter			
Rated Output Power	5500W	10000W	
MPPT Voltage Range	120-450Vdc	125-425Vdc	
Rated Output Voltage/Frequency	230V; 50Hz/60Hz		
Rated Lithium Battery Voltage	40-60Vdc		
Solar Battery			
Nominal Capacity	200Ah		
Nominal Voltage	48V		
Max.Charging Current	100A		
Max.Discharging Current	100A		
Accessory List			
MC4 Connector	Yes		
PV Cable	Yes		
PV Mounting Bracket	Yes		
Ground Wire	Optional		
DC Switch	Optional		
AC Switch	Optional		
PV Combiner Box	Optional		
Solar PV Tools	Optional		

On Grid Solar Kit



System Layout	SS-10KW-ON	SS-30KW-ON
Number of Solar Panels	20	56
Number of Solar Panels per String	10	14
Total Strings	2	4
Number of Solar Inverters	1	1
Number of PV Cable 6mm² 100m	2	4
Number of MC4 Connectors	10	20
Number of Mounting Bracket	1	1
Number of Wooden Box	1	1

Model	SS-10KW-ON	SS-30KW-ON
Solar Panel		
Testing Condition	STC	
Maximum Power(Pmax)	590	
Open Circuit Voltage(Voc)	52.37	
Short Circuit Current(Isc)	44.43	
Voltage at Maximum Power(Vmp)	13.94	
Current at Maximum Power(Imp)	13.28	
Module Efficiency	22.8	
Solar Inverter		
Rated Output Power	10000W	30000W
MPPT Voltage Range	140-1000Vdc	200-1000Vdc
Rated Output Voltage/Frequency	230V/400V; 50Hz/60Hz	
Accessory List		
MC4 Connector	Yes	
PV Cable	Yes	
PV Mounting Bracket	Yes	
Ground Wire	Optional	
DC Switch	Optional	
AC Switch	Optional	
PV Combiner Box	Optional	
Solar PV Tools	Optional	

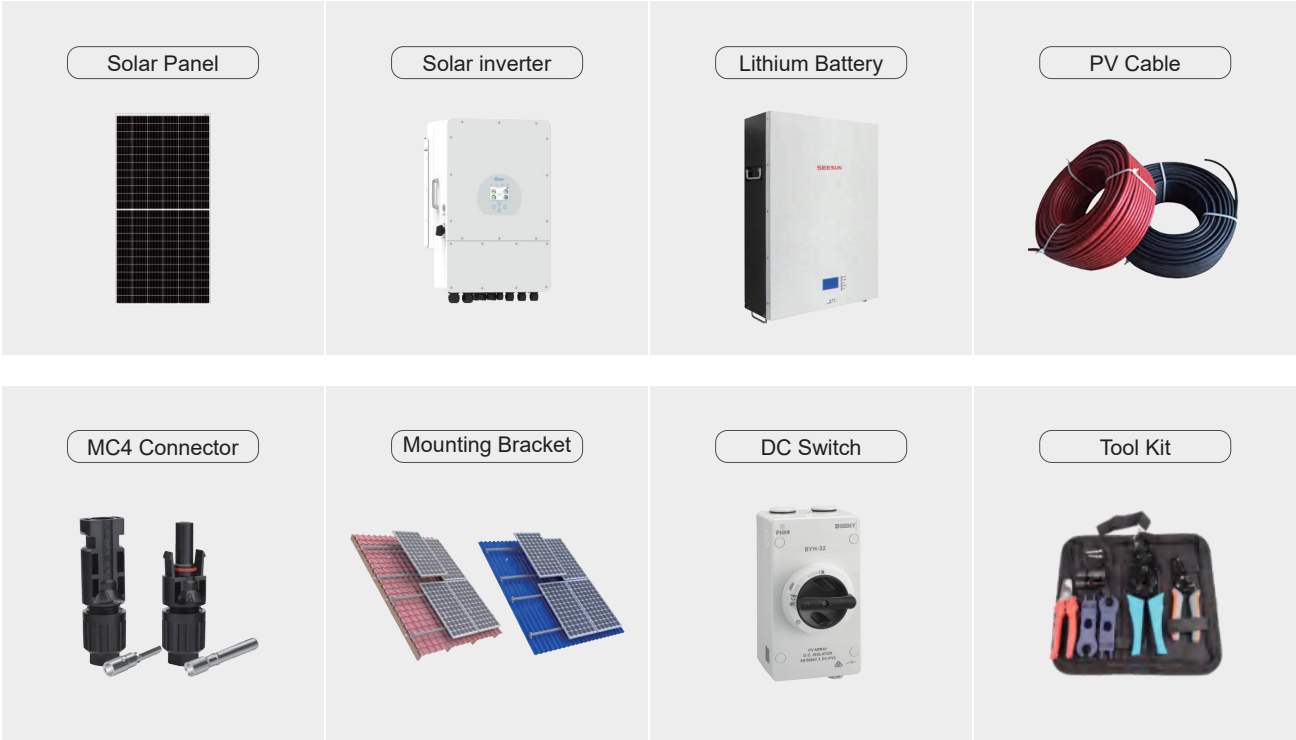
On Grid Solar Kit



System Layout	SS-50KW-ON	SS-100KW-ON
Number of Solar Panels	90	180
Number of Solar Panels per String	15	15
Total Strings	6	12
Number of Solar Inverters	1	1
Number of PV Cable 6mm² 100m	6	12
Number of MC4 Connectors	30	50
Number of Mounting Bracket	1	1
Number of Wooden Box	1	1

Model	SS-50KW-ON	SS-100KW-ON
Solar Panel		
Testing Condition	STC	
Maximum Power(Pmax)	590	
Open Circuit Voltage(Voc)	52.37	
Short Circuit Current(Isc)	44.43	
Voltage at Maximum Power(Vmp)	13.94	
Current at Maximum Power(Imp)	13.28	
Module Efficiency	22.8	
Solar Inverter		
Rated Output Power	50000W	100000W
MPPT Voltage Range	200-1000Vdc	180-1000Vdc
Rated Output Voltage/Frequency	230V/400V; 50Hz/60Hz	
Accessory List		
MC4 Connector	Yes	
PV Cable	Yes	
PV Mounting Bracket	Yes	
Ground Wire	Optional	
DC Switch	Optional	
AC Switch	Optional	
PV Combiner Box	Optional	
Solar PV Tools	Optional	

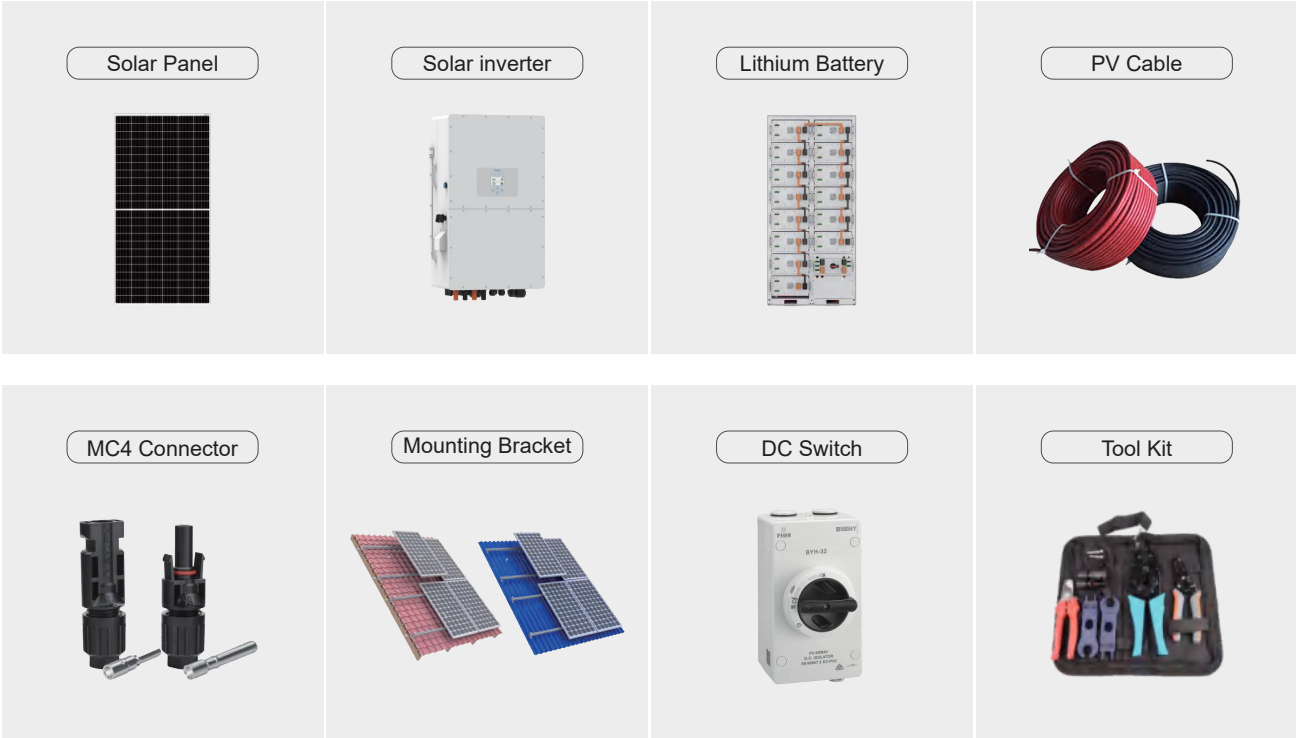
Hybrid Solar Kit



System Layout	SS-8KW-HY	SS-12KW-HY
Number of Solar Panels	16	24
Number of Solar Panels per String	8	12
Total Strings	2	2
Number of Solar Inverters	1	1
Number of Solar Batteries	2	2
Number of PV Cable 6mm² 100m	2	2
Number of MC4 Connectors	10	10
Number of Mounting Bracket	1	1
Number of Wooden Box	1	1

Model	SS-8KW-HY		SS-12KW-HY	
Solar Panel				
Testing Condition	STC			
Maximum Power(Pmax)	590			
Open Circuit Voltage(Voc)	52.37			
Short Circuit Current(Isc)	44.43			
Voltage at Maximum Power(Vmp)	13.94			
Current at Maximum Power(Impp)	13.28			
Module Efficiency	22.8			
Solar Inverter				
Rated Output Power	8000W	12000W		
MPPT Voltage Range	125-425Vdc	200-650Vdc		
Rated Output Voltage/Frequency	230V; 50Hz/60Hz	230V/400V; 50Hz/60Hz		
Rated Lithium Battery Voltage	40-60Vdc			
Solar Battery				
Nominal Capacity	200Ah			
Nominal Voltage	48V			
Max.Charging Current	100A			
Max.Discharging Current	100A			
Accessory List				
MC4 Connector	Yes			
PV Cable	Yes			
PV Mounting Bracket	Yes			
Ground Wire	Optional			
DC Switch	Optional			
AC Switch	Optional			
PV Combiner Box	Optional			
Solar PV Tools	Optional			

Hybrid Solar Kit



System Layout	SS-30KW-HY	SS-50KW-HY
Number of Solar Panels	56	90
Number of Solar Panels per String	14	15
Total Strings	4	6
Number of Solar Inverters	1	1
Number of Solar Batteries	1	1
Number of PV Cable 6mm² 100m	4	6
Number of MC4 Connectors	20	30
Number of Mounting Bracket	1	1
Number of Wooden Box	1	1

Model	SS-30KW-HY		SS-50KW-HY	
Solar Panel				
Testing Condition	STC			
Maximum Power(Pmax)	590			
Open Circuit Voltage(Voc)	52.37			
Short Circuit Current(Isc)	44.43			
Voltage at Maximum Power(Vmp)	13.94			
Current at Maximum Power(Imp)	13.28			
Module Efficiency	22.8			
Solar Inverter				
Rated Output Power	30000W	50000W		
MPPT Voltage Range	150-850Vdc			
Rated Output Voltage/Frequency	230V/400V; 50Hz/60Hz			
Rated Lithium Battery Voltage	160-800Vdc			
Solar Battery				
Nominal Capacity	100Ah	280Ah		
Nominal Voltage	512V	716.8V		
Max.Charging Current	100A	140Ah		
Max.Discharging Current	100A	140Ah		
Accessory List				
MC4 Connector	Yes			
PV Cable	Yes			
PV Mounting Bracket	Yes			
Ground Wire	Optional			
DC Switch	Optional			
AC Switch	Optional			
PV Combiner Box	Optional			
Solar PV Tools	Optional			

AC EV Charger



- ✓ Simple operation, convenient installation
- ✓ High efficiency, reliable and stable performance
- ✓ Support RFID Card/OCPP 1.6J (optional)

Datasheet	M3W316EN	M3W332EN
AC Power Input Rating	IEC Standard	
	3 Phase	
	380V±15%	
AC Power Output Rating	11kW/16A	22kW/32A
Rated Frequency	50/60Hz	
Required Service Panel Breaker (Branch Breaker)	Dedicated 3-Pole	
	20A(16A station)	40A(32A station)
Power Wiring	5 Wire-L1,L2,L3,N,PE	
Connector Type	IEC 62196-2(Type 2)	
Connector Mechanical Operating Life	>10000 times	
User Interface & Control		
Charging Control	Plug and Play or RFID Card	
Display Screen	4.3 inch LCD Screen	
Indicators	4 LED indicators-Power/Connect/Charging/Fault	
External Communication	LAN(RJ-45) and Wifi	
OCPP Protocol (Optional)	OCPP 1.6J	
Environmental		
Storage Temperature	-40 to 75°C	
Operating Temperature	-30 to 55°C	
Operating Humidity	Up to 95% non-condensing	
Altitude	<2000m	
Cooling Method	Natural Cooling	
Protection Ratings	IP54	
Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.	
WallBox Mechanical		
Dimension(H*W*D)	410*260*164mm	
Weight	<12kg	
Charing Cable Length	5m or Customize Length	
Enclosure Material	Front panel: black, Tempered Glass; Back cover: Gray, Metal Plate	
Mounting Pole Mechanical (Optional)		
Dimension(H*W*D)	1117*240*112mm	
Weight	<5kg	
Enclosure Material	Metal	

DC EV Charger



Simple operation, convenient installation



High efficiency, reliable and stable performance



Support RFID Card/OCPP 1.6J (optional)

Datasheet	ENC-DCL160B
Input Data	
EV Charger Type	DC
Charger Capacity	160kW
Mounting	Ground-Mounted
AC Supply System	Three-Phase, 5 Wire AC system
Nominal Input Voltage	AC380V±15%
Input Frequency	45-65Hz
Output Data	
Number of Outputs	2
Type of Each Output	DC200-750V
Single Output Max. Current	200 Amp
Power Factor	≥0.99(50% load above)
General Data	
IP Ratings	IP 54
Cooling	Air-cooled
Ambient Humidity	5 to 95%
Storage Temperature	-40 to 70°C
Ambient Temperature Range	-25 to 55°C
Display & Touch-Screen Size	7 Inches Touch Screen with Shell
User Authentication	Mobile Application or User Interface / QR Code/RFID Card /Password Login
Metering Information	Consumption Units
Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.
Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.

BESS Cabinet



Easy Installation



Flexible Expension



Battery Equalization



Long-term Reliability

Model	ESS100kW215kWh
Solar Inverter	
Photovoltaic rated capacity*	100kW
Photovoltaic voltage range*	200-450V
Rated Output Power	100kW
Rated AC current	144A
Rated Output Voltage/Frequency	230V/400V; 50Hz/60Hz
THDI	<3% (Rated power)
Solar Battery	
Nominal Capacity	280Ah
Nominal Voltage	768V
Max.Charging Current	140A
Max.Discharging Current	140A
Protection level	IP54
Isolation mode	Industrial Transformer Isolation
Shutdown self-discharge	<100W (Without transformer)
Cooling mode	Intelligent air cooling
Dimension (W * D * H)	1800*1200*2300mm
Weight	3100kg
Accessory List	
DC/DC Module	Optional
STS Switch	Optional
Isolated Switch	Optional

BESS Container



- ✓

Friendly & Flexible
- ✓

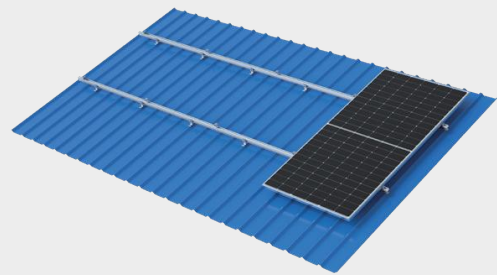
Safe & Reliable
- ✓

Abundant configuration

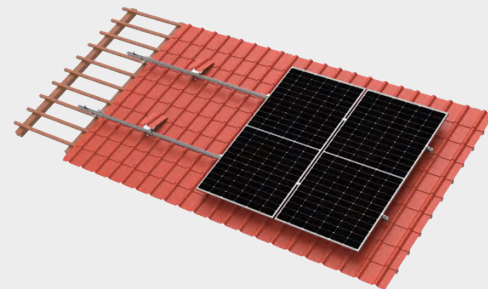
Model	BESS500kW1MWh	BESS1MW2MWh
AC Data		
Rated power	500kW	1000kW
Rated voltage	230V/400V; 50Hz/60Hz	
Rated current	722A	1445A
Overload capacity	110% long-term	
Battery data		
Cell type	3.2V/280Ah/LF	
Nominal voltage	768V/1P240S	
Nominal energy	1.0752MWh	2.1504MWh
Max. charge and discharge rate	0.5C@25°C	
Number of battery cycles	≥6,000	
System data		
System specification	500kW/1,075.2kWh (1000kWh)	1,000kW/2,150.4kWh (2000kWh)
Dimensions (W*D*H)	6058*2438*2896m	12192*2438*2896mm
Net weight	21000kg	38000kg
Cooling	Intelligent air cooling	
Ingress protection	IP54	
Fire extinguishing system	FM200/NOVEC1230(optional)	
EMS communicatio	RS485, TCP/IP	
PV Data*		
Max. PV power	600/660/720kW	1200/1320/1440kW
MPPT operating voltage range	250-850V	

■ Mounting Bracket Type

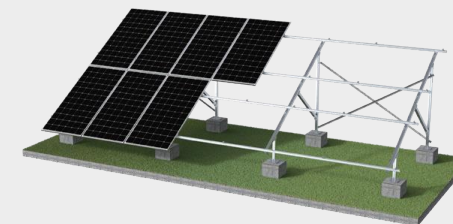
Metal Roof Bracket



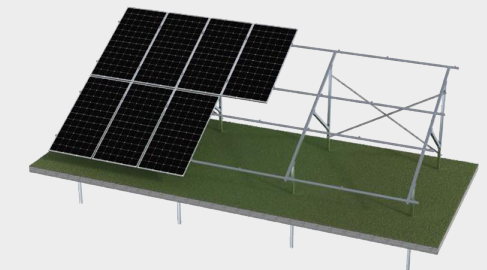
Tile Roof Bracket



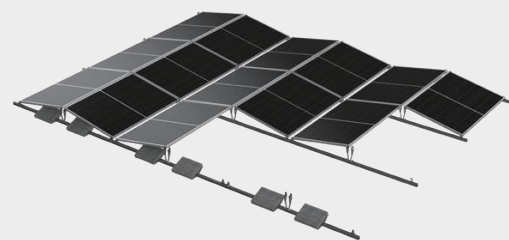
Concrete Foundation Bracket



U Pile Bracket



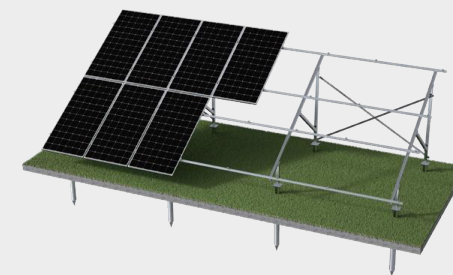
Flat Roof Bracket



Carport Bracket



Screw Pile Bracket



Balcony Bracket



One-stop Solar Solution

As a leading solar developer and engineering services firm, we are uniquely placed to help you decrease your energy bills and help you make the transition to clean and sustainable solar energy with our solar solutions.

1

Early Research

Project location, installation area, transformer capacity, capital and rough size.

2

Engineering Design

Solar components selection, whole system design, monitoring and communication system design.

3

Project Proposal

System configuration, installation solution, budgetary estimation, financial analysis.

4

Engineering Construction

Organize and arrange construction installation and equipment commissioning.



Project Cases



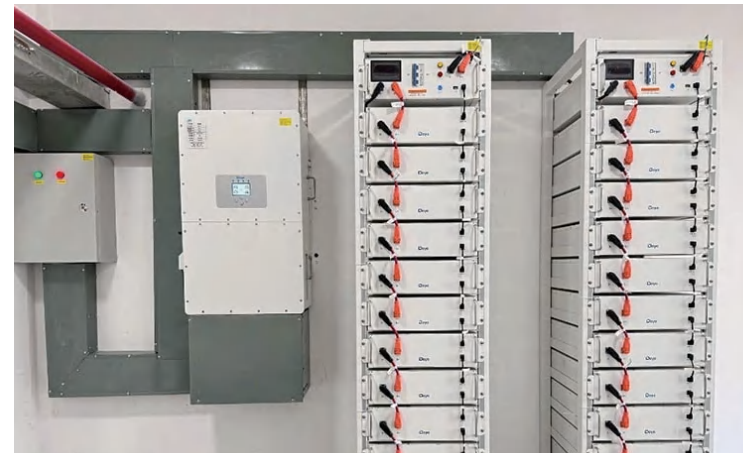
Zimbabwe 30kW



Argentina 500kW



Panama 100kW



Myanmar 100kWh



Kenya 200kW



South Africa 1.2MWh