



COMPANY PROFILE

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ABOUT US

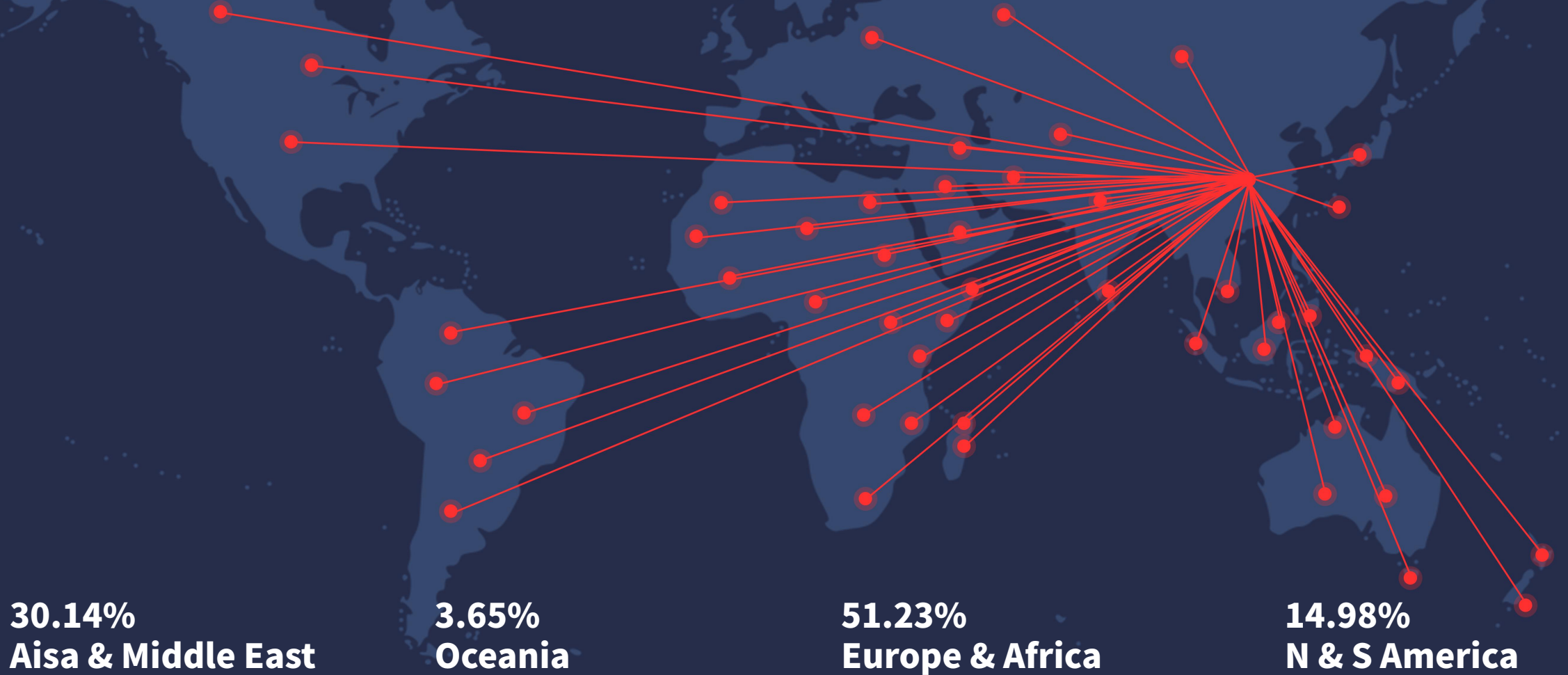
- Anhui Sunrange New Energy Technology Co., Ltd. was established in 2015. We are an innovative company dedicated to the research, development and production of renewable energy.
- We have a global distribution network in more than 100 countries, and our products are available in more than 100 countries and regions around the world as well.
- Building a decarbonized and sustainable energy system is a common challenge facing the world. We are a global solar module manufacturing company. With the concept of "renewable energy is the future", and provides integration residential, commercial and industrial energy system solutions for customers such as off grid, grid tie and hybrid grid customized proposal.

A handwritten signature in black ink, appearing to be 'Wang' followed by a stylized flourish.

CEO & Founder

Market Info.

Exported To 136 Countries & Regions



DEVELOPMENT TIMELINE

2015

·The Sunrange brand established.

2018

·Sunrange automated and intelligent solar module manufacturing plant was officially put into operation in Anhui Province.

2020

·The first 5MW project in Italy.

2022

·Sunrange launch 660W solar module with 210mm half cell, global cumulative module shipment reached 6GW.

2023

·Production line for N Type TOPCon double glass solar modules



PV MODULE

SR60P-360-380M

MECHANICAL CHARACTERISTICS

Cell Type	166mm PERC
No. of Cells	120(6*20)
Dimensions	1756 x1039 x35mm
Weight	19.5KG
Power Tolerance	0-5w
Packaging	31pcs/pallet,806pcs/40Q

ELECTRICAL DATA (380W-STC)

Maximum power (Pmax)	380W
Open Circuit Voltage (Voc)	41.57V
Short Circuit Current (Isc)	11.5A
Voltage at Maximum power (Vmpp)	34.55V
Current Maximum Power (Impp)	11A
Module Efficiency (%)	20.83%

SR72P-440-460M

MECHANICAL CHARACTERISTICS

Cell Type	166mm PERC
No. of Cells	144(6*24)
Dimensions	2095 x 1039 x35mm
Weight	23KG
Power Tolerance	0-5w
Packaging	31pcs/pallet,682pcs/40Q

ELECTRICAL DATA (460W-STC)

Maximum power (Pmax)	460W
Open Circuit Voltage (Voc)	50.06V
Short Circuit Current (Isc)	11.73A
Voltage at Maximum power (Vmpp)	41.78V
Current Maximum Power (Impp)	11.01A
Module Efficiency (%)	21.13%

SR54P-395-415M

MECHANICAL CHARACTERISTICS

Cell Type	182mm PERC
No. of Cells	144(6*24)
Dimensions	1722 x 1134 x30mm
Weight	20.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,936pcs/40Q

ELECTRICAL DATA (415W-STC)

Maximum power (Pmax)	415W
Open Circuit Voltage (Voc)	38.22V
Short Circuit Current (Isc)	13.84A
Voltage at Maximum power (Vmpp)	32.05V
Current Maximum Power (Impp)	12.95A
Module Efficiency (%)	21.25%

SR60P-440-460M

MECHANICAL CHARACTERISTICS

Cell Type	182mm PERC
No. of Cells	120(6*20)
Dimensions	1910 x 1134 x 30mm
Weight	22.5KG
Power Tolerance	0-5w
Packaging	31pcs/pallet,864pcs/40Q

ELECTRICAL DATA (460W-STC)

Maximum power (Pmax)	460W
Open Circuit Voltage (Voc)	42.68V
Short Circuit Current (Isc)	13.86A
Voltage at Maximum power (Vmpp)	35.47V
Current Maximum Power (Impp)	12.97A
Module Efficiency (%)	21.24%

SR72P-530-550M

MECHANICAL CHARACTERISTICS

Cell Type	182mm PERC
No. of Cells	144(6*24)
Dimensions	2279 x1134 x35mm
Weight	27.5KG
Power Tolerance	0-5w
Packaging	31pcs/pallet,620pcs/40Q

ELECTRICAL DATA (550W-STC)

Maximum power (Pmax)	550W
Open Circuit Voltage (Voc)	50.47V
Short Circuit Current (Isc)	13.97A
Voltage at Maximum power (Vmpp)	42.43V
Current Maximum Power (Impp)	13.08A
Module Efficiency (%)	21.48%

SR66P-650-670M

MECHANICAL CHARACTERISTICS

Cell Type	210mm PERC
No. of Cells	132(6*22)
Dimensions	2384x1303 x35mm
Weight	34KG
Power Tolerance	0-5w
Packaging	32pcs/pallet,576pcs/40Q

ELECTRICAL DATA (670W-STC)

Maximum power (Pmax)	670W
Open Circuit Voltage (Voc)	45.71V
Short Circuit Current (Isc)	18.78A
Voltage at Maximum power (Vmpp)	38.22V
Current Maximum Power (Impp)	17.53A
Module Efficiency (%)	21.57%

PV MODULE

SR54P-415-435N

MECHANICAL CHARACTERISTICS

Cell Type	TOPCon N-type
No. of Cells	108(6*18)
Dimensions	1722 x 1134 x 30mm
Weight	20.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,936pcs/40Q

ELECTRICAL DATA (435W-STC)

Maximum power (Pmax)	435W
Open Circuit Voltage (Voc)	39.27V
Short Circuit Current (Isc)	14.17A
Voltage at Maximum power (Vmpp)	32.85V
Current Maximum Power (Impp)	13.24A
Module Efficiency (%)	22.28%

SR54P-420-440N

MECHANICAL CHARACTERISTICS

Cell Type	TOPCon N-type
No. of Cells	108(6*18)
Dimensions	1722 x 1134 x 30mm
Weight	20.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,936pcs/40Q

ELECTRICAL DATA (440W-STC)

Maximum power (Pmax)	440W
Open Circuit Voltage (Voc)	39.5V
Short Circuit Current (Isc)	14.24A
Voltage at Maximum power (Vmpp)	33.06V
Current Maximum Power (Impp)	13.31A
Module Efficiency (%)	22.53%

SR60P-470-490N

MECHANICAL CHARACTERISTICS

Cell Type	TOPCon N-type
No. of Cells	120(6*20)
Dimensions	1910 x 1134 x 30mm
Weight	22.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,864pcs/40Q

ELECTRICAL DATA (490W-STC)

Maximum power (Pmax)	490W
Open Circuit Voltage (Voc)	43.68V
Short Circuit Current (Isc)	14.33A
Voltage at Maximum power (Vmpp)	36.57V
Current Maximum Power (Impp)	13.4A
Module Efficiency (%)	22.62%

SR66P-685-705N

MECHANICAL CHARACTERISTICS

Cell Type	TOPCon N-type
No. of Cells	132(6*22)
Dimensions	2384 x 1303 x 35mm
Weight	34KG
Power Tolerance	0-5w
Packaging	32pcs/pallet,576pcs/40Q

ELECTRICAL DATA (705W-STC)

Maximum power (Pmax)	705W
Open Circuit Voltage (Voc)	47.6V
Short Circuit Current (Isc)	18.95A
Voltage at Maximum power (Vmpp)	40.06V
Current Maximum Power (Impp)	17.6A
Module Efficiency (%)	21.07%

SR72P-570-590N

MECHANICAL CHARACTERISTICS

Cell Type	TOPCon N-type
No. of Cells	144(6*24)
Dimensions	2279 x 1134 x 35mm
Weight	27.5KG
Power Tolerance	0-5w
Packaging	31pcs/pallet,620pcs/40Q

ELECTRICAL DATA (590W-STC)

Maximum power (Pmax)	590W
Open Circuit Voltage (Voc)	51.83V
Short Circuit Current (Isc)	14.47A
Voltage at Maximum power (Vmpp)	43.38V
Current Maximum Power (Impp)	13.6A
Module Efficiency (%)	22.83%

SR54P-390-410M

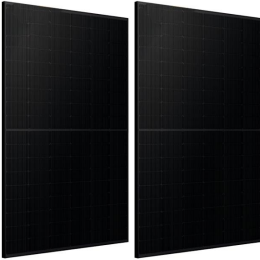
MECHANICAL CHARACTERISTICS

Cell Type	Mono
No. of Cells	108(6*18)
Dimensions	1722 x 1134 x 30mm
Weight	20.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,936pcs/40Q

ELECTRICAL DATA (410W-STC)

Maximum power (Pmax)	410W
Open Circuit Voltage (Voc)	37.98V
Short Circuit Current (Isc)	13.77A
Voltage at Maximum power (Vmpp)	31.83V
Current Maximum Power (Impp)	12.88A
Module Efficiency (%)	21%

PV MODULE



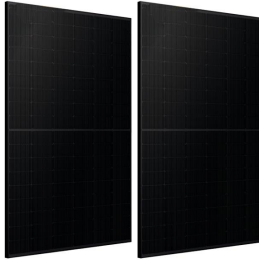
SR60P-440-460M

MECHANICAL CHARACTERISTICS

Cell Type	Mono
No. of Cells	120(6*20)
Dimensions	1910 x 1134 x30mm
Weight	23KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,864pcs/40Q

ELECTRICAL DATA (460W-STC)

Maximum power (Pmax)	460W
Open Circuit Voltage (Voc)	42.68V
Short Circuit Current (Isc)	13.86A
Voltage at Maximum power (Vmpp)	35.47V
Current Maximum Power (Impp)	12.97A
Module Efficiency (%)	21.24%



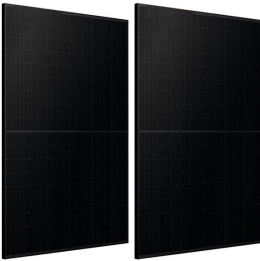
SR72P-530-550M

MECHANICAL CHARACTERISTICS

Cell Type	Mono
No. of Cells	144(6*24)
Dimensions	2279 x 1134 x 35mm
Weight	27.5KG
Power Tolerance	0-5w
Packaging	31pcs/pallet,620pcs/40Q

ELECTRICAL DATA (550W-STC)

Maximum power (Pmax)	550W
Open Circuit Voltage (Voc)	50.32V
Short Circuit Current (Isc)	13.90A
Voltage at Maximum power (Vmpp)	42.28V
Current Maximum Power (Impp)	13.01A
Module Efficiency (%)	21.28%



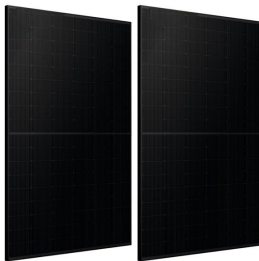
SR66P-645-665M

MECHANICAL CHARACTERISTICS

Cell Type	Mono
No. of Cells	132(6*22)
Dimensions	2384 x 1303 x 35mm
Weight	34KG
Power Tolerance	0-5w
Packaging	32pcs/pallet,576pcs/40Q

ELECTRICAL DATA (665W-STC)

Maximum power (Pmax)	665W
Open Circuit Voltage (Voc)	45.54V
Short Circuit Current (Isc)	18.73A
Voltage at Maximum power (Vmpp)	38.04V
Current Maximum Power (Impp)	17.48A
Module Efficiency (%)	21.41%



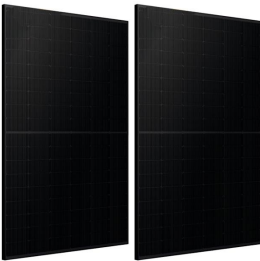
SR72P-435-455M

MECHANICAL CHARACTERISTICS

Cell Type	Mono
No. of Cells	144(6*24)
Dimensions	2095 x 1039 x 35mm
Weight	23KG
Power Tolerance	0-5w
Packaging	31pcs/pallet,682pcs/40Q

ELECTRICAL DATA (455W-STC)

Maximum power (Pmax)	455W
Open Circuit Voltage (Voc)	49.96V
Short Circuit Current (Isc)	11.65A
Voltage at Maximum power (Vmpp)	41.59V
Current Maximum Power (Impp)	10.94A
Module Efficiency (%)	20.90%



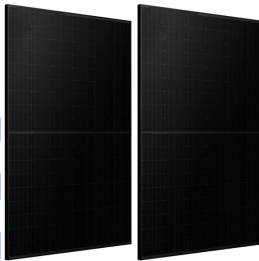
SR54P-415-435N

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono
No. of Cells	108(6*18)
Dimensions	1722 x1134 x30mm
Weight	20.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,936pcs/40Q

ELECTRICAL DATA (435W-STC)

Maximum power (Pmax)	4350W
Open Circuit Voltage (Voc)	39.27V
Short Circuit Current (Isc)	14.17A
Voltage at Maximum power (Vmpp)	32.85V
Current Maximum Power (Impp)	13.24A
Module Efficiency (%)	22.28%



SR72P-560-580N

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono
No. of Cells	144(6*24)
Dimensions	2279 x 1134 x 35mm
Weight	27.5KG
Power Tolerance	0-5w
Packaging	31pcs/pallet,620pcs/40Q

ELECTRICAL DATA (580W-STC)

Maximum power (Pmax)	580W
Open Circuit Voltage (Voc)	51.57V
Short Circuit Current (Isc)	14.33A
Voltage at Maximum power (Vmpp)	43.09V
Current Maximum Power (Impp)	13.46A
Module Efficiency (%)	22.44%

PV MODULE



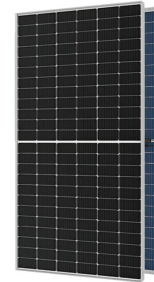
SRD54P-420-440N

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono
No. of Cells	108(6*18)
Dimensions	1722 x 1134 x30mm
Weight	23.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,936pcs/40Q

ELECTRICAL DATA (440W-STC)

Maximum power (Pmax)	440W
Open Circuit Voltage (Voc)	39.42V
Short Circuit Current (Isc)	14.27A
Voltage at Maximum power (Vmpp)	32.45V
Current Maximum Power (Impp)	13.56A
Module Efficiency (%)	22.53%



SRD60P-470-490N

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono
No. of Cells	120(6*20)
Dimensions	1910 x 1134 x30mm
Weight	26KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,864pcs/40Q

ELECTRICAL DATA (490W-STC)

Maximum power (Pmax)	490W
Open Circuit Voltage (Voc)	43.78V
Short Circuit Current (Isc)	14.3A
Voltage at Maximum power (Vmpp)	36.06V
Current Maximum Power (Impp)	13.59A
Module Efficiency (%)	22.62%



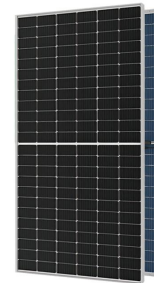
SRD72P-530-550N

MECHANICAL CHARACTERISTICS

Cell Type	Mono
No. of Cells	144(6*24)
Dimensions	2279 x 1134 x30mm
Weight	31.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,720pcs/40Q

ELECTRICAL DATA (550W-STC)

Maximum power (Pmax)	550W
Open Circuit Voltage (Voc)	50.32V
Short Circuit Current (Isc)	13.90A
Voltage at Maximum power (Vmpp)	52.28V
Current Maximum Power (Impp)	13.01A
Module Efficiency (%)	21.29%



SRD72P-570-590N

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono
No. of Cells	144(6*24)
Dimensions	2278 x 1134 x30mm
Weight	31.5KG
Power Tolerance	0-5w
Packaging	36pcs/pallet,720pcs/40Q

ELECTRICAL DATA (590W-STC)

Maximum power (Pmax)	590W
Open Circuit Voltage (Voc)	51.94V
Short Circuit Current (Isc)	14.43A
Voltage at Maximum power (Vmpp)	43V
Current Maximum Power (Impp)	13.72A
Module Efficiency (%)	22.84%



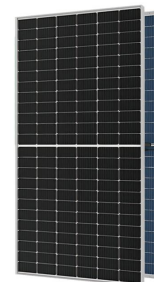
SRD66P-645-665M

MECHANICAL CHARACTERISTICS

Cell Type	Mono
No. of Cells	132(6*22)
Dimensions	2384 x 1303 x35mm
Weight	38.5KG
Power Tolerance	0-5w
Packaging	32pcs/pallet,576pcs/40Q

ELECTRICAL DATA (665W-STC)

Maximum power (Pmax)	665W
Open Circuit Voltage (Voc)	45.8V
Short Circuit Current (Isc)	18.45A
Voltage at Maximum power (Vmpp)	38.33V
Current Maximum Power (Impp)	17.53A
Module Efficiency (%)	21.41%



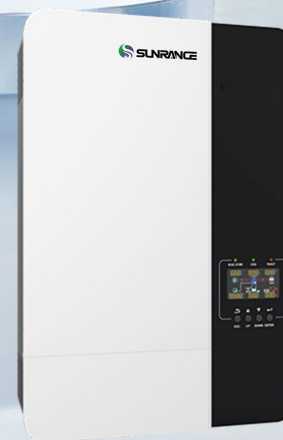
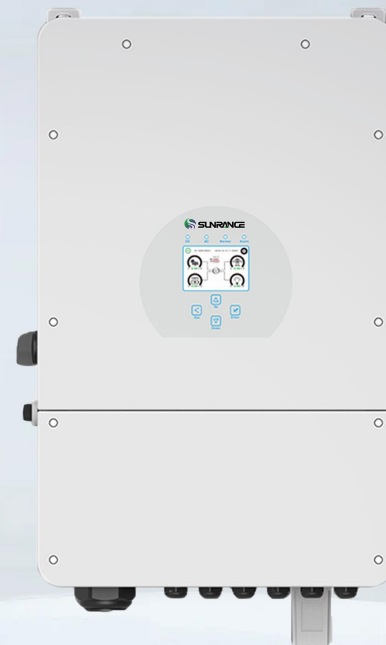
SRD66P-680-700N

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono
No. of Cells	132(6*22)
Dimensions	2384 x 1303 x35mm
Weight	38.5KG
Power Tolerance	0-5w
Packaging	32pcs/pallet,576pcs/40Q

ELECTRICAL DATA (700W-STC)

Maximum power (Pmax)	700W
Open Circuit Voltage (Voc)	48.61V
Short Circuit Current (Isc)	18.34A
Voltage at Maximum power (Vmpp)	40.44V
Current Maximum Power (Impp)	17.31A
Module Efficiency (%)	22.53%



OFF GRID SOLAR INVERTER



RESIDENTIAL SINGLE PHASE INVERTER

Rated Power	5000w
Voltage	230VAC
Suger Power	10000VA
Battery Voltage	48VDC
Battery Type	Lithium/Lead-acid



RESIDENTIAL SPLIT PHASE INVERTER

Rated Power	12000w
Voltage	110/240VAC
Max. Peak Power	24000VA
Battery Voltage	48VDC
Battery Type	Lithium/Lead-acid

ON GRID SOLAR INVERTER



RESIDENTIAL SINGLE PHASE INVERTER

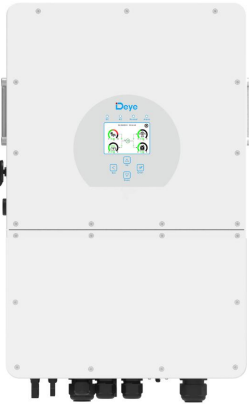
Max.Recommended PV Power	15000w
Max.DC Voltage	600V
AC Nominal Power	10000w
Max. output current	45.5A
MPPT voltage range	60-550V
Max.efficiency	98.1%



COMMERCIAL THREE PHASE INVERTER

Max.Recommended PV Power	w
Max.DC Voltage	V
AC Nominal Power	00w
Max. output current	A
MPPT voltage range	V
Max.efficiency	%

HYBRID SOLAR INVERTER



SINGLE PHASE
SUN-5/8K-SG01LP1-EU

Max.DC Input Power	6500W/10400W
Battery Voltage Range	40-60V
Max.AC Output Power	5500/8800W



THREE PHASE
SUN-8/10/12/15/20K-SG01HP3-EU

Max.DC Input Power	40000W
Battery Voltage Range	160-700V
Max.AC Output Power	50000W



ALL-IN-ONE HYBRID-HPS 50

AC Apparent power	55kVA
Battery Voltage Range	352-600V
Max. PV power	75kWp



ALL-IN-ONE HYBRID-HPS 100

AC Apparent power	110kVA
Battery Voltage Range	352-600V
Max. PV power	150kWp



ALL-IN-ONE HYBRID-HPS 150

AC Apparent power	155kVA
Battery Voltage Range	352-600V
Max. PV power	225kWp



LOW VOLTAGE LITHIUM BATTERY



Wall MOUNTED

Expandable Capacity:5.12/10.24kwh

Nominal Voltage (VDC)	48
Nominal Capacity(AH)	100/200
Nominal Capacity (WH)	4800/9600
Usable Capacity (WH)	4320/8640
Dimension(MM)	440*453*183/440*804*196
Weight(KG)	48.5/99

Wall MOUNTED

Expandable Capacity:5.12/10.24kwh

Nominal Voltage (VDC)	48
Nominal Capacity(AH)	100/200
Nominal Capacity (WH)	4800/9600
Usable Capacity (WH)	4320/8640
Dimension(MM)	440*453*183/440*804*196
Weight(KG)	48.5/99

Stacked MOUNTED

Expandable Capacity:5.12kwh

Nominal Voltage (VDC)	51.2
Nominal Capacity(AH)	100
Nominal Capacity (WH)	5120
Usable Capacity (WH)	4608
Dimension(MM)	525*510*215
Weight(KG)	56.7

Rack MOUNTED

Expandable Capacity:2.4/4.8/7.2/9.6kwh

Nominal Voltage (VDC)	48
Nominal Capacity(AH)	50/100/150/200
Nominal Capacity (WH)	2400/4800/7200/9600
Usable Capacity (WH)	2160/4320/6480/8640
Dimension(MM)	440*400*133/482*463*178 482*600*178/482*809/178
Weight(KG)	27/46/68/90

HIGH VOLTAGE LITHIUM BATTERY



Rack MOUNTED
Expandable Capacity:5.12kwh

Battery Cell Voltage	3.2V
Battery Cell Capacity	200AH
Battery Module Voltage	25.6V
Battery Module Capacity	5.12kwh

Rack MOUNTED
Expandable Capacity: 9.216kwh

Battery Cell Voltage	3.2V
Battery Cell Capacity	240AH
Battery Module Voltage	38.4V
Battery Module Capacity	9.216kwh

Rack MOUNTED
Expandable Capacity:5.12/14.336/16.0768kwh

Battery Cell Voltage	3.2V
Battery Cell Capacity	100/280/314AH
Battery Module Voltage	51.2V
Battery Module Capacity	5.12/14.336/16.0768kwh

Rack MOUNTED
Expandable Capacity: 9.216kwh

Battery Cell Voltage	3.2V
Battery Cell Capacity	120AH
Battery Module Voltage	76.8V
Battery Module Capacity	9.216kwh

Rack MOUNTED
Expandable Capacity: 43.008kwh

Battery Cell Voltage	3.2V
Battery Cell Capacity	280AH
Battery Module Voltage	153.6V
Battery Module Capacity	43.008kwh

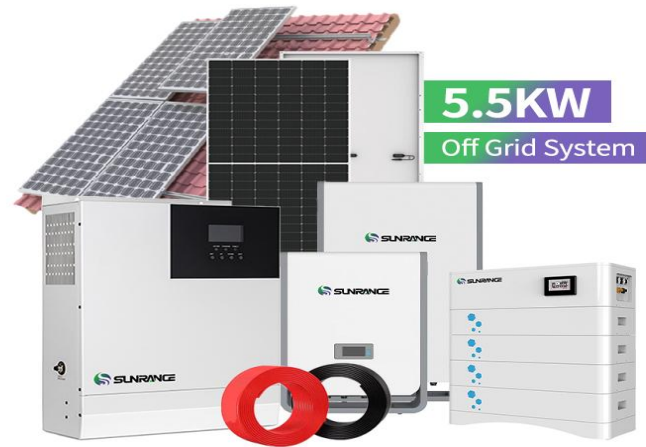


BUILD YOUR OWN SOLAR POWER SYSTEM

5KW/30KW/50KW/100KW/150KW+

GET ELECTRICITY BILL FREE

OFF GRID SOLAR SYSTEM



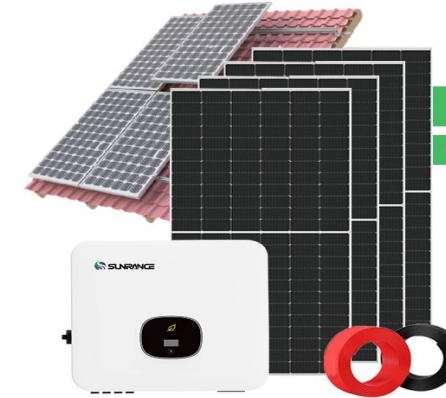
5.5KW

Off Grid System

Sunrange 5kW Single Phase Off Grid Solar Power System For Home

Item	Model	Description	Quantity
1	Solar Panel	Half cut mono sliver frame 560w solar panel	9 pcs
2	Combiner Box	Optional	1 pcs
3	Lithium Battery or Lead Acid Battery	10kwh Battery	1 pcs
4	Hybrid Inverter	5.5kw,48Vdc Controller	1 pcs
5	Mounting Support	Roof/Ground	1 set
6	PV Cable	4mm²PV cable	100m
7	Connector	Solar Connector	10 pairs
8	Tools Bag	Solar Installation tools	1 set

ON GRID SOLAR SYSTEM



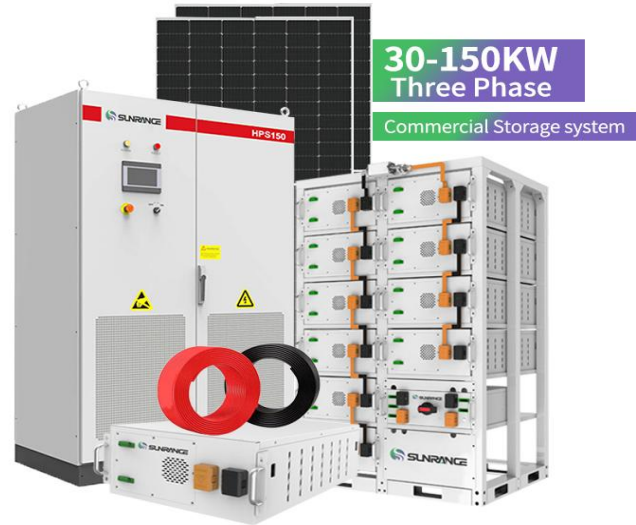
10KW

On Grid System

Sunrange 10kW Single Phase On Grid Solar Power System For Home

Item	Model	Description	Quantity
1	Solar Panel	Half cut mono sliver frame 560w solar panel	20pcs
2	Combiner Box	Optional	1pc
3	Growatt On Grid Inverter	10 kw	1pc
4	Mounting Support	Roof/Ground	1set
5	PV Cable	4mm2 PV cable	100m
6	Connector	Solar Connector	10 pairs
7	Tools Bag	Solar installation tools	1set

HYBRID SOLAR SYSTEM



Sunrange 30-150KW Commercial Storage Solar System

Item	Model	SR-30KW-HY	SR-50KW-HY	SR-100KW-HY
1	Peak Power	30KW	50KW	100KW
2	Half cut mono sliver frame 560w solar panel	54 Pieces	90 Pieces	180 Pieces
3	Combiner Box	1 Pieces	1 Pieces	1 Pieces
4	Hybrid Inverter	ATESS HPS30	ATESS HPS50	ATESS HPS100
5	Lithium Battery OR Lead Acid Battery	46.08kWh x 1	46.08kWh x 2	46.08kWh x 3
6	DC Cable 4mm2	600 Meter	800 Meter	1200 Meter
7	MC4 Connector	20 Pairs	40 Pairs	60 Pairs
8	Mounting System	Roof/Ground	Roof/Ground	Roof/Ground
9	PV Installation Tools	1 Set	1 Set	1 Set

HYBRID SOLAR SYSTEM



Sunrange 250-1000kW Commercial Storage Solar System

Item	Model	SR-250KW-HY	SR-500KW-HY	SR-1000KW-HY
1	Peak Power	250KW	500KW	1000KW
2	Half cut mono sliver frame 560w solar panel	450 Pieces	900 Pieces	1800 Pieces
3	PV Combiner Box	5 Pieces	10 Pieces	20 Pieces
4	MPPT Controller	ATESS PBD250	ATESS PBD250 X 2	ATESS PBD250 X 4
5	Battery Inverter	ATESS PCS250	ATESS PCS500	ATESS PCS500 X 2
6	Lithium Battery OR Lead Acid Battery	173kWh Cluster X 2	173kWh Cluster X 4	173kWh Cluster X 6
7	DC Cable 6mm2	2600 Meter	5000 Meter	12000 Meter
8	MC4 Connector	100 Pairs	200 Pairs	600 Pairs
9	Mounting System	Roof/Ground	Roof/Ground	Roof/Ground
10	PV Installation Tools	1 Set	1 Set	1 Set

All in one Liquid Cooled Battery Energy Storage Systems

- **High Efficiency**

With cooling system ensures higher efficiency and longer battery cycle life

- **Various Application Solutions**

Variety of applications are supported such as peak-shift, peak-cut, frequency regulation, etc.

- **Easy Installation**

Highly integrated Ess for easy transportation and O&M
All pre-assembled, no battery module handling on site

- **Safety and Reliable**

IP54 protection level, meet the outdoor extreme environment use



230 KWH OUTDOOR LIQUID COOLING SYSTEM CABINET



Product Highlights

Safe&Reliable

- First tier brand A grade LFP battery cells
- Full range active firefighting, compatible with multiple detection and suppression methods
- UL1973, UL9540A level heat release loss control, heat spread
- BMS multi-level protection, multiple detection linkage
- Variable frequency liquid cooling temperature control technology, with a temperature difference of $\leq 3\text{ }^{\circ}\text{C}$ inside the cabinet and a cycle life of 8000 times+

Convenient&Friendly

- Modular high energy density integrated cabinet design, modular installation, saving 50% of floor space
- Factory pre installation, full container transportation, convenient for on-site installation
- Cloud platform interconnection, full lifecycle monitoring and management
- Compatible with mainstream PCS brands, supporting customized communication matching
- Full cabinet IP54 protection, suitable for indoor and outdoor use

230 KWH OUTDOOR LIQUID COOLING SYSTEM CABINET



SR-230KWH-ESS	
AC	
Rated AC Power	100kW
Rated AC Current	144A
Rated AC Voltage	400V , 3W+PE
BATTERY	
Battery Cell	LFP , 280Ah/3.2V
Battery Pack	46.592kWh , 1P52S
Number Of Pack	5
Normal Capacity	232.9 KWH
Rated Voltage	832.0V
Operating Voltage Range	728.0~936.0V
Rated Charge/Discharge Rate	0.5P/0.5P
Maximum Charge/Discharge Current	140A
General Data	
Protection Level	IP54 (Pack IP67)
Operating Temperature	-25°C~60°C
Storage Temperature Recommendation	-20°C~35°C
Ambient Humidity	0~95%RH(no condensation)
Altitude	2000m
Fire Protection	Pack level + cabinet level detection and suppression; Suppression medium: aerosol (standard) / perfluorohexane (optional)
Cooling Method	Liquid-cooled
Communication Interface	CAN/RS485/Ethernet
Dimensions	1612W*1350D*2300H mm
Weight	≈3t
Cycle Life	>8000@25°C@0.5C

SOLAR ACCESSORIES

END CLAMP 35MM



MIDDLE CLAMP 35MM



SILVER RAIL



ROOFTOP HOOK-01



L FEET GROUP



STEEL HORSE-SHAPED
KLIPLOCK01 SET



STEEL HORSE-SHAPED
KLIPLOCK02 SET



TT-NUT



SPLICE FOR RAIL



GROUNDING PLATE



ADJUSTABLE
FRONT LEG



ADJUSTABLE REAR LEG



PV CABLE
CONNECTOR-MC4



TRIANGLE
SUPPORT-1700



PV CABLE



PV6 CABLE WITH MC4
CONNECTORS 2 END
FOR SOLAR PANEL
CONNECTION



WIFI DONGLE
FOR INVERTERS



SINGLE PHASE SMART METER



Nominal voltage	220V, 230, 240V
Current	5(80) A
Reference frequency	50Hz or 60Hz
Accuracy	Class 1.0
Operating range	0.85Un ~ 1.15Un
Power consumption	Voltage loop: ≤1W/5VA; Current loop: ≤2VA

THREE PHASE SMART METER



Nominal voltage	3x220~240/380~415V; 3x120~138/208~240V
Current	Direct access: 5(80)A; Mutual access: 1.5(6)A
Reference frequency	50Hz or 60Hz
Accuracy	Class 1.0 for 5(80)A; Class 0.5 for 1.5(6)A
Operating range	0.85Un ~ 1.15Un
Power consumption	≤1W/8VA

GLOBAL PROJECT CASES

