

OPTONICA *SOLAR*



2026

SOLAR POWER SYSTEMS



What components make up a solar panel system?

Solar panel installations are very straightforward systems. There are only four main components to any solar panel system, and no moving parts, making them very efficient to install and maintain. The four components of a solar panel system are:

Solar photovoltaic panels - to convert solar energy into electricity

Battery - to store DC electricity

Inverters - to convert DC electricity into AC electricity

Racking and mounting systems - to affix your solar panels to your roof (or to the ground, depending upon your installation type)

Performance monitoring systems - to track and monitor the output and health of your solar panels and inverters

DESIGN AND CONSTRUCTION OF SOLAR POWER SYSTEMS

The photovoltaic panels we offer are designed to be highly efficient and with long service life, which makes them a great choice for those who want yet to invest in renewable energy for homes or your business.

Green energy solutions



How does solar power work?

Solar power works by converting energy from the sun into power. There are two forms of energy generated from the sun for our use – electricity and heat.

Both are generated through the use of solar panels, which range in size from residential rooftops to 'solar farms' stretching over acres of rural land.

Is solar power a clean energy source?

Yes, solar power is a renewable and infinite energy source that creates no harmful greenhouse gas emissions – as long as the sun continues to shine, energy will be released.

The carbon footprint of solar panels is already quite small, as they last for 25 years plus with no loss in efficiency. And the materials used in the panels are increasingly recycled, so the carbon footprint will continue to shrink.

When was solar power discovered?

Solar energy was used by humans as early as the 7th century B.C., when humans used sunlight to light fires by reflecting the sun's rays onto shiny objects. Later, in 3rd century B.C., the Greeks and Romans harnessed solar power with mirrors to light torches for religious ceremonies.

In 1839 and at the age of just 19, French physicist Edmond Becquerel discovered the photovoltaic (PV) effect while experimenting with a cell made of metal electrodes in a conducting solution. He noted that the cell produced more electricity when it was exposed to light – it was a photovoltaic cell.

In 1954 PV technology was born when Daryl Chapin, Calvin Fuller and Gerald Pearson developed the silicon PV cell at Bell Labs in 1954 – the first solar cell capable of absorbing and converting enough of the sun's energy into power to run everyday electrical equipment. Today satellites, spacecraft orbiting Earth, are powered by solar energy.

How exactly is electricity from solar energy produced?

Solar panels are usually made from silicon installed in a metal panel frame with a glass casing. When photons, or particles of light, hit the thin layer of silicon on the top of a solar panel, they knock electrons off the silicon atoms.

This PV charge creates an electric current (specifically, direct current or DC), which is captured by the wiring in solar panels. This DC electricity is then converted to alternating current (AC) by an inverter. AC is the type of electrical current used when you plug appliances into normal wall sockets.



PORTABLE POWER STATION

PIRE SINE WAVE AC OUTPUT

Cell Capacity	400W/320Wh	600W/512Wh	1000W/1036.8Wh	2000W/2096Wh
DC Input	12V-24V/0-10A(120WMax)	12V-24V/0-10A(120WMax)	12V-24V/0-10A(200WMax)	12V-65V/30A(650WMax)
AC Output	230Vac 400W	230Vac 600W	230Vac 1000W	230Vac 2000W
DC Output	12V/0-10A	12V/0-10A	12V/0-10A	12V/0-10A
Cigar Socket Output	13.3V/10A	13.3V/10A	13.3V/10A	13V/10A
USB-A Output	5V/2.4A	5V/2.4A	5V/2.4A	5V/2.4A
USB-C Output	20V/3A Max	20V/5A Max	20V/5A Max	20V/5A Max
LED Flashlight	3W	3W	3W	3W
Wireless Charge	No	No	No	Yes (20W Max)
SKU	9418	9419	9420	9421
Power	400W	600W	1000W	2000W

BAGS FOR PORTABLE STATION

Ideal for quick transportation



SKU	9429	9428	9422	9423
For Station	400W	600W	1000W	2000W



PORTABLE SOLAR PANEL

Monocrystalline - Foldable



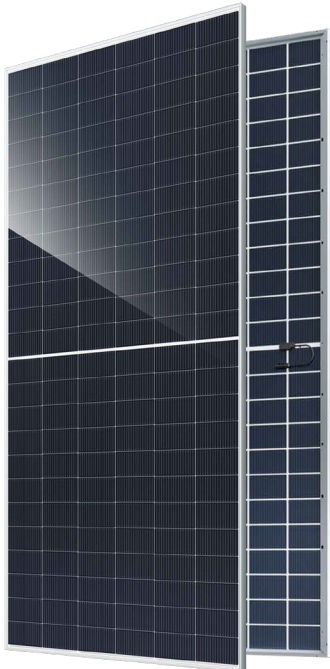
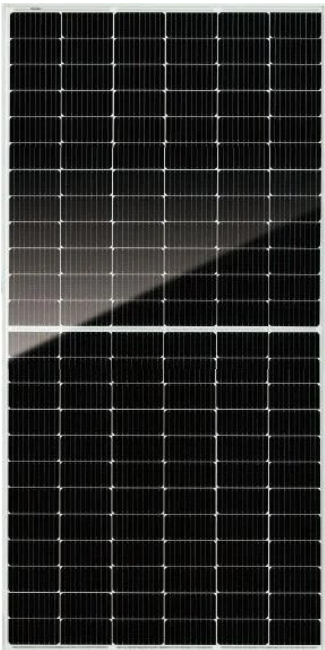
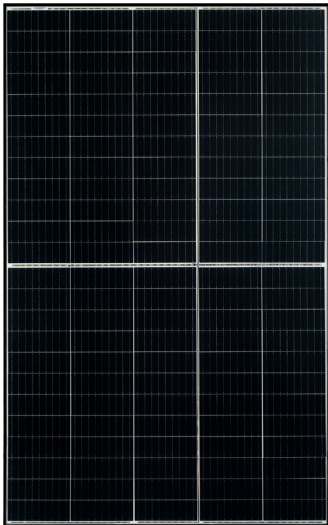
Power	120Wp	200Wp	400Wp
Output 1	MC4 18V/6.6A Max	MC4 18V/11.1A Max	MC4 36V/6.6A Max
Output 2	USB-A QC 3.0 24W Max	USB-A QC 3.0 24W Max	-
Output 3	Type-C PD45W Max	Type-C PD45W Max	-
Material	ETFE-Film	ETFE-Film	ETFE-Film
			Intelligent charging chip

SKU	9400	9401	9402
Power	120Wp	200Wp	400Wp



SKU	9424	SKU	9425	SKU	9426	SKU	9427
MC4 Convert to Anderson		MC4 Convert to DC5525		Anderson convert to DC5525		Y Branch Connector 1 to 2 MC4Y2	





PV SOLAR PANELS - N TYPE

Monocrystalline - MC4 Cables



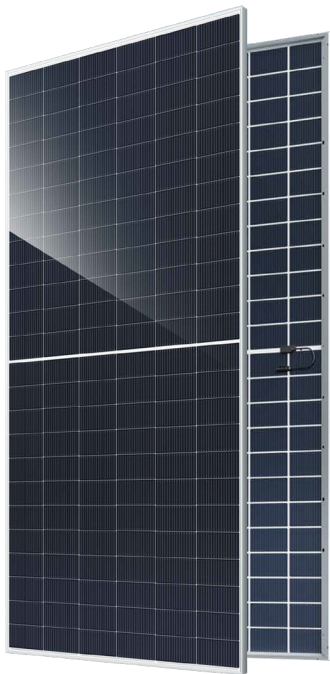
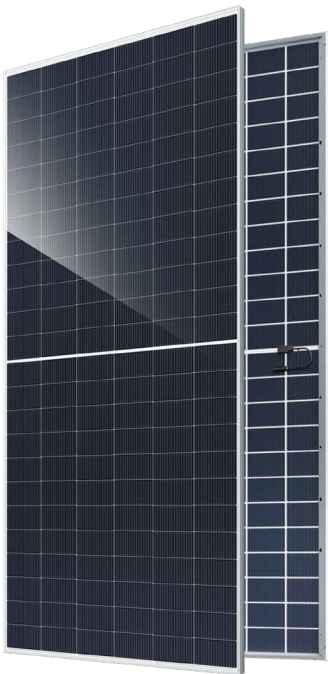
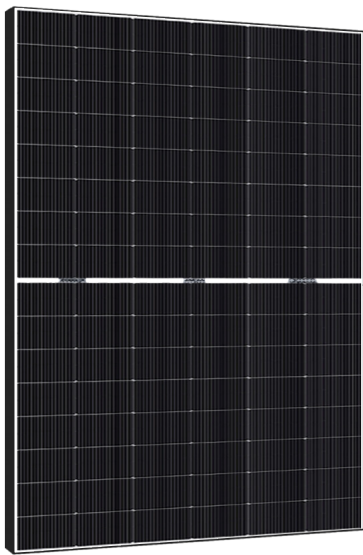
	MONO HALF-CUT MODULE BLACK FRAME	MONO HALF-CUT MODULE SILVER FRAME	BIFACIAL MONO PERC MODULE	DOUBLE-GLASS BIFACIAL - TOPCON
	MBB 182mm Cell	MBB 166mm Cell	MBB 182mm Cell	MBB 182mm Cell
PV Model	UL-405-108HV	UL-455M-144HV	UL-550M-144HV	UL-570M-144DG
Rated Max Power	405Wp	455Wp	550Wp	570Wp
Voltage Pmax Vmp	31.3V	41.1V	41.9V	42.2V
Current Pmax IMP	12.94A	11.07A	13.13A	13.51A
Open-Circuit Current Voc	37.3V	49.9V	50V	50.7V
Short-Circuit Current Isc	13.69A	11.64A	13.75A	14.23A
Maximum Voltage	1500V	1500V	1500V	1500V
Maximum Fuse Rating	25A	25A	30A	30A
Module Efficiency STC	20.74%	20.93%	21.28%	22.07%
Dimmensions	2279x1134x35mm	2094x1038x35mm	2279x1134x35mm	2278x1134x35mm
SKU	9411	9410	9412	9413



Lower LCOE
Lower shading and resistive loss
Lower temperature coefficient



Anti-PID(potential induced degradation)
Passed anti-PID test under 85% damp heat,
85% relative humidity for 96 hours



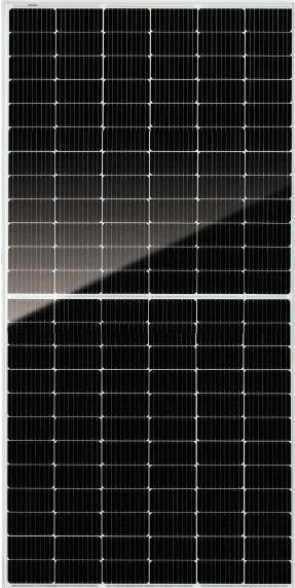
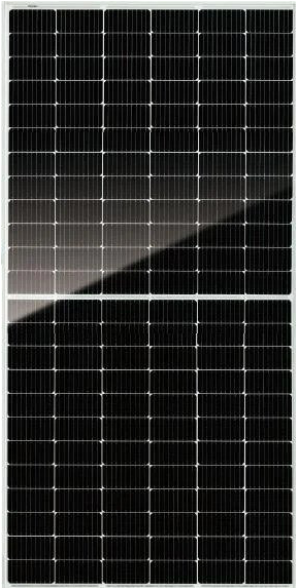
PV SOLAR PANELS P-TYPE
Monocrystalline - MC4 Cables



	BIFACIAL BLACK FRAME N-TYPE TOPCON	BIFACIAL N-TYPE TOPCON	HYPER-ION BIFACIAL N-TYPE TOPCON HDJ HJT
PV Model	SPDG450-N96R12	ODA-132MHDRz	RSM132-8-690-715BHDG
Rated Max Power	450Wp	620Wp	700Wp
Voltage Pmax Vmp	29.93V	40.74V	49.83V
Current Pmax IMP	15.04A	115.29A	17.82A
Open-Circuit Current Voc	35.8V	49.28V	41.78V
Short-Circuit Current Isc	15.9A	16.08A	16.77A
Maximum Voltage	1500V	1500V	1500V
Maximum Fuse Rating	30A	35A	25A
Module Efficiency STC	22.52%	23%	22.5%
Dimmensions	1762x1134x30mm	2382x1134x30mm	2384x1303x33mm
SKU	9416	9408	9415
	· Double glass · Black frame · Bifacial Transparent	· SMBB Technology · PID Resistance · Higher Power Output · Enhanced Mechanical Load	· Ultra-high bifacial factor · Excellentanti-LID &anti-PID performance · No B-O caused LID



NEW



PV SOLAR PANELS
Monocrystalline - MC4 Cables



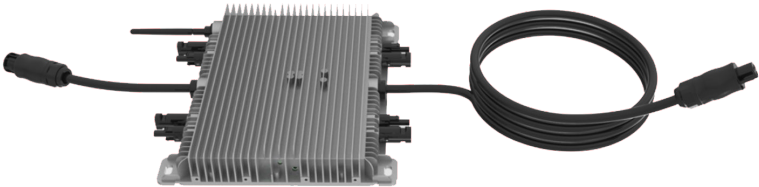
	N-TYPE TIGER NEW MONO-FACIAL	P-TYPE TIGER NEW MONO-FACIAL
PV Model	JKM450-54HL4R	JKM550M-72HL4
Rated Max Power	450Wp	550Wp
Voltage Pmax Vmp	33.21V	40.9V
Current Pmax IMP	13.55A	13.45A
Open-Circuit Current Voc	39.78V	49.62V
Short-Circuit Current Isc	14A	14.03A
Maximum Voltage	1000/1500V	1000/1500V
Maximum Fuse Rating	25A	25A
Module Efficiency STC	22.52%	20.93%
Dimmensions	1762x1134x30mm	2278x1134x35mm
SKU	9701	9702

MICRO INVERTER
OUTPUT - 600W



Input: 2*MC4 / PV 2*210-400W
Output: 230Vac 600W
MPPT: 25-55V 2*13A
Unit: 212x230x40mm 3.15kg

SKU 9431



SKU 9451
PV Cable - 100m - 4mm²



SKU 9453
PV Cable - 100m - 6mm²



SKU 9452
PV Cable - 100m - 4mm²



SKU 9454
PV Cable - 100m - 6mm²



SKU 9459
Grounding Cable - 100m - 4mm²



SKU 9433
1.5M 4MM2 WITH MC4



SKU 9457
Y-BRANCH 1500V, 30A -3Y



SKU 9458
Y-BRANCH 1500V, 30A -4Y



SKU 9455
MC4 1to1 1000v, 30A



SKU 9456
MC4 1to1 1500v, 30A



SKU 9434
END CAP FOR MALE CONNECTOR



SKU 9432
BC01 AND SCHUKO PLUG



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HYBRID INVERTERS
High Voltage - THREE PHASE



	10KW	15KW	20KW	30KW	50KW	80KW
Model	SUN-10K-SG01 HP3-EU-AM2	SUN-15K-SG01 HP3-EU-AM2	SUN-20K-SG01 HP3-EU-AM2	SUN-30K-SG01 HP3-EU-BM3	SUN-50K-SG01 HP3-EU-BM4	SUN-80K-SG02 HP3-EU-EM8
Battery Voltage Range (V)	160~700	160~700	160~700	160~800	160~800	160~100
Max. Charging Current (A)	37	37	37	50+50	50+50	80+80
Max. DC Input Power (W)	13000	19500	26000	39000	65000	160000
Start-up Voltage (V)	180	180	180	180	180	180
MPPT Range (V)	150-850	150-850	150-850	150-850	150-850	150-850
No.of MPP Trackers	2	2	2	3	4	6
Full Load DC Voltage (V)	325-850	420-850	500-850	360-850	450-850	650
PV Input Current (A)	20+20	26+20	26+26	36+36+36	36+36+36+36	36+36+36+36+36+36
No.of Strings per MPP Tracker	1+1	2+1	1+2	2+2+2	2+2+2+2	2+2+2+2+2+2
Rated AC Output Power (W)	10000	15000	20000	30000	50000	80000
AC Output Rated Current (A)	15.2/14.5	22.8/21.8	30.4/29	45.5/43.5	75.8/72.5	121.3/115.9
Max. AC Output Current (A)	16.7/16	25/24	33.4/31.9	50/47.8	83.4/79.7	121.3/115.9
Grid Type	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
Max. Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%
MPPT Efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	>99%

SKU	9448	9449	9442	9443	9444	9450
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HYBRID INVERTERS

Low Voltage - THREE PHASE



	6KW	8KW	10KW	12KW
Model	SUN-6K-SG04LP3-EU	SUN-8K-SG04LP3-EU	SUN-10K-SG04LP3-EU	SUN-12K-SG04LP3-EU
Battery Voltage Range (V)	40-60	40-60	40-60	40-60
Max. Charging Current (A)	150	190	210	240
Max. DC Input Power (W)	7800	10400	13000	15600
Start-up Voltage (V)	160	160	160	160
MPPT Range (V)	200-650	200-650	200-650	200-650
No.of MPP Trackers	2	2	2	3
Full Load DC Voltage (V)	350-650	350-650	350-650	350-650
PV Input Current (A)	20+20	26+20	26+26	36+36+36
No.of Strings per MPP Tracker	1+1	1+1	2+1	2+1
Rated AC Output Power (W)	6000	8000	10000	12000
AC Output Rated Current (A)	9.1/8.7	12.1/11.6	15.2/14.5	18.2/17.4
Max. AC Output Current (A)	10/9.6	13.4/12.8	16.7/15.9	20/19.1
Grid Type	Three Phase	Three Phase	Three Phase	Three Phase
Max. Efficiency	97.6%	97.6%	97.6%	97.6%
MPPT Efficiency	99.90%	99.90%	99.90%	99.90%
SKU	9445	9436	9435	9441

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HYBRID INVERTERS
Low Voltage - SINGLE PHASE



Italian
Market



	3.6KW	5KW	6KW	6KW	8KW	10KW	12KW	16KW
Model	SUN-3.6K-SG03LP1-EU	SUN-5K-SG03LP1-EU	SUN-6K-SG05LP1-EU	SUN-6K-SG03LP1-EU	SUN-8K-SG01LP1-EU	SUN-10K-SG02LP1-EU-AM3	SUN-12K-SG02LP1-EU-AM3	SUN-16K-SG01LP1-EU
Battery Voltage Range (V)	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60
Max. Charging Current (A)	90	120	135	135	190	220	250	290
Max. DC Input Power (W)	4680	6500	7800	7800	10400	16000	19200	20800
Start-up Voltage (V)	125	125	125	125	125	125	125	125
MPPT Range (V)	150-425	150-425	150-425	125-425	125-425	150-425	150-425	150-425
No.of MPP Trackers	2	2	2	2	2	3	3	3
Full Load DC Voltage (V)	500	300-425	300-425	300-425	200-425	500	500	500
PV Input Current (A)	13+13	13+13	13+13	13+13	26+26	20+20	20+20	26+26+26
No.of Strings -MPP Tracker	1+1	1	1	1	2+2	3/2+2+2	3/2+2+2	2
Rated AC Output Power (W)	3600	5000	6000	6000	8000	10000	12000	16000
AC Output Rated Current (A)	16.4/15.7	22.7/21.7	27.3/26.1	27.3/26.1	36.4/34.8	45.5/43.5	54.6/52.2	69.6
Max. AC Output Current (A)	18/17.2	25/23.9	30/28.7	30/28.7	40/38.3	45.5/43.5	54.6/52.2	100
Grid Type	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Max. Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%
MPPT Efficiency	>99%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
SKU	9446	9437	9440	9438	9447	9751	9752	9753
	NEW					NEW	NEW	NEW



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ON GRID INVERTERS 400V

THREE PHASE



	8KW	10KW	30KW	50KW	100KW
Model	XG8KTR	XG10KTR	XG30KTR	XG50KTR	XG100KTR
Max. Input Power	12.8kW	16kW	48kW	80kW	150kW
Max. Input Voltage	1100V	1100V	1100V	1100V	1100V
Start Voltage	160V	160V	250V	250V	250V
Rated Input Voltage	600V	600V	600V	600V	620V
Full-load MPP Voltage Range	320V-850V	450V-850V	500V-800V	520V-850V	530V-850V
MPPT Voltage Range	180V-1000V	180V-1000V	200V-1000V	200V-1000V	180V-1000V
Number of MPP Trackers	2	2	3	4	9
Max. Current per MPPT	14A/14A	14A/14A	26A	39A/26A/39A/26A	26A
Max. Output Current	12.8A	15.9A	48.3A	79.7A	158.8A
Rated Output Powe	8kW	10kW	30kW	50kW	100kW
Max. Output Power	8.8kVA	11kVA	33.3kVA	55kVA	110kVA
Rated Grid Voltage	230Vac/400Vac	230Vac/400Vac	230Vac/400Vac	230Vac/400Vac	230Vac/400Vac
THDi	<3%	<3%	<3%	<3%	<3%
Max. Efficiency	98.70%	98.70%	98.6%	98.7%	98.6%
MPPT Efficiency	99.90%	99.90%	99.90%	99.90%	99.90%
SKU	9481	9482	9483	9484	9485

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SKU

9495

WIFI DONGLE FOR KSTAR INVERTERS

ON GRID INVERTERS
THREE PHASE

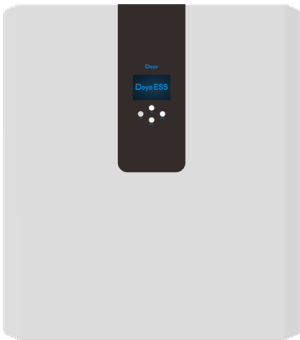


	10KW	30KW	40KW	120KW
Model	BluE-10KT	KSG-30KT	KSG-40KT	KSG-120CL
Max. DC Voltage	1100V	1100V	1100V	1100V
Nominal Voltage	620V	600V	600V	620V
Start Voltage	180V	180V	180V	250V
MPPT Voltage Range	140V-1000V	200V-1000V	200V-1000V	200V-1000V
Number of MPPT Tracker	2	3	3	10
Strings Per MPPT Tracker	1	2	2	2
Max. Input Current Per MPPT	15A	30A	30A	30A
Max. Short-circuit Current Per MPPT	20A	50A	50A	50A
Nominal AC Output Power	10000W	30000W	40000W	120kW
Maximum AC Output Power	11000VA	33000VA	44000VA	121kVA
Nominal AC Voltage	400V 3L+N	400V 3L+N	400V 3L+N	320-480V 3W+PE
Maximum Output Current	16A	47.7A	63.6A	174.6A
THDi	<3%	<3%	<3%	<3%
Max. Efficiency	98.7%	98.7%	98.7%	98.7%
Euro Efficiency	98.1%	98.4%	98.4%	98.3%
SKU	9491	9492	9493	9494

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All-in-One Energy Storage System

5kW Inverter & 5.32kWh Battery - SINGLE PHASE

Model	RW-F5.3-1H3
Output Active Power (W)	5000
AC Output Rated Current (A)	22.8 / 21.8
Max. PV Access Power (W)	10000
Start Up PV Voltage (Vdc)	125
MPPT Voltage Range (Vdc)	150-425
Battery Nominal Voltage (V)	51.2
Battery Energy Configuration (kWh)	5.32
Battery Operating Voltage (V)	44.8-57.6

SKU 9430

NEW

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C&I Battery Cabinet

Without Inverter

Model	GE-F60
Module Energy (kWh)	5.12
Module Nominal Voltage (V)	51.2
Module Capacity (Ah)	100
System Nominal Voltage (V)	614.4
System Operating Voltage (V)	480-700
System Energy (kWh)	61.44
Charge/Discharge Current (A)	100
Dimension	735x1045x2235mm

SKU 9791

NEW

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C&I Battery Cabinet

With 50KW Hybrid Inverter - THREE PHASE

Model	GE-F120-2H2
Nominal Output Power (W)	40000
Max PV Input Power (W)	52000
Start Up DC Voltage (Vdc)	180
MPPT Voltage Range (Vdc)	150-850
Battery Operating Voltage (V)	500-700
Battery Nominal Voltage (V)	51.2
Battery Module Energy (kWh)	5.12
Energy Configuration (kWh)	122.8

SKU 9792

1. STANDARD 19 INCH RACK

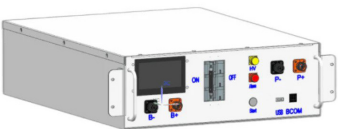
For 12 Pcs Batteries and 1 Pcs Controller

SKU 9475

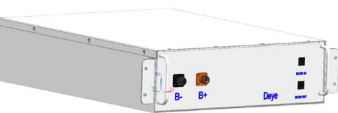
Dimensions: 589x590x2240mm



1



2



3



2. BATTERIES RACK MOUNTING

High Voltage

Operating Voltage	120-750 VDC
Charge/Discharge Current	100A
MAX Charge/Discharge Current	125A
DC Input Rating	12±2%V/4.15A
Dimension	440*570*150mm

SKU 9476

3. BATTERY MODULE 5.12KWH

High Voltage LiFePO4 - Rack Mounting

Model	BOS-GM5.1
Nominal Capacity	100 Ah
Nominal Energy	5.12kWh
Nominal Voltage	51.2VDC
Charge/Discharge Current	100A

SKU 9477



BATTERIES RACK MOUNTING

Low Voltage LiFePO4

Model	VE48100E-P2
Nominal Capacity	100 Ah
Nominal Energy	5.12kWh
Nominal Voltage	51.2VDC
Charge/Discharge Current	100A
Warranty	10 Years

SKU 9470

SKU 9465

SET FOR BATTERY 9471-9473



SKU 9469

SLAVE CABLE KIT FOR SKU:9470



SKU 9468

EXTERNAL RACK FOR SKU:9470



SKU 9468C

EXTERNAL COVER FOR SKU:9470





BATTERIES		
Low Voltage LiFePO4		
Cell	EVE	EVE
Nominal Capacity	100 Ah	200 Ah
Nominal Energy	10.2kWh	10.2kWh
Nominal Voltage	51.2VDC	51.2VDC
Charge/Discharge Current	100A	150A
SKU	9473	9472



BATTERIES		
Low Voltage LiFePO4		
Model	RW-M6.1-B	RW-F10.2
Nominal Capacity	120 Ah	200 Ah
Nominal Energy	6.14Wh	10.2kWh
Nominal Voltage	51.2VDC	51.2VDC
Charge/Discharge Current	60A	100A
SKU	9439	9488
		NEW



BATTERIES	
Low Voltage LiFePO4 - Stackable	
Model	SE-G5.1-PRO-B
Nominal Capacity	100 Ah
Nominal Energy	5.12kWh
Nominal Voltage	51.2VDC
Charge/Discharge Current	100A
SKU	9474

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1



2



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1. BATTERY CLUSTER CONTROL BOX

High Voltage - BOS-G PRO

Model	BOS-G-PDU-2
Operating Voltage	120-1000 VDC
Charge/Discharge Current	100A
MAX Charge/Discharge Current	125A
DC Input Rating	12±2%V/4.15A
Dimension	440*570*150mm

SKU 9478

2. BATTERY MODULE 5.12KWH

High Voltage LiFePO4 - Rack Mounting - BOS-G PRO

Model	BOS-G-Pack5.1
Nominal Capacity	100 Ah
Nominal Energy	5.12kWh
Nominal Voltage	51.2VDC
Charge/Discharge Current	100A

SKU 9479

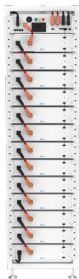
1. STANDARD 19 INCH RACK

For 13 Pcs Batteries and 1 Pcs Controller

SKU 9775

Dimensions: 589x590x2240mm

NEW
Deye



1



2



3



1. BATTERY CLUSTER CONTROL BOX

High Voltage - BOS-A

Model	BOS-A-PDU-2
Operating Voltage	436.8-569.4 VDC
Charge/Discharge Current	100A
MAX Charge/Discharge Current	160A
Module Capacity (Ah)	200Ah
Dimension	440*570*150mm

SKU 9776

2. BATTERY MODULE 5.12KWH

High Voltage LiFePO4 - Rack Mounting - BOS-A

Model	BOS-A
Nominal Capacity	200 Ah
Nominal Energy	7.68kWh
Nominal Voltage	38.4VDC
Charge/Discharge Current	100A

SKU 9777

SKU 9466

CT for Smart Meter 3-Phase



3
Years
Warranty



Smart Meters Kits for INVT 3-Phase Inverters

Including wires and CT SDT024TS

Model	STD670V
Voltage	3x5A, 3x16A, 3x32A, 3x63A & 3x100A
Current	2x110V/220V, 3x57.7/100V, 3x127/220V, 3x220V/380V, 3x230V/400V, 3x100V, 3x380V

SKU 9460

Multi-Function Electrical Energy Meter

SINGLE PHASE

Nominal Voltage	120V or 230V AC
Basic current	10A
Maximum rated current	100A
Bi-directional measurement	Yes
Operating Voltage	80%-120%

SKU 9461

Multi-Function Electrical Energy Meter

THREE PHASE

Nominal Voltage	3x230/400V ac
Basic current	10A
Maximum rated current	100A
Bi-directional measurement	Yes
Operating Voltage	80%-120%

SKU 9462

Multi-Function Electrical Energy Meter

THREE PHASE - CT & PT operated

Nominal Voltage	3x230/400V ac
Basic current	10A
Maximum rated current	100A
Bi-directional measurement	Yes
Operating Voltage	60%-120%

SKU 9463



3
Years
Warranty



3
Years
Warranty



3
Years
Warranty

Deye



PV MODULE OPTIMIZER

SUN-XL02-B

Maximum input power(W)	700
Maximum input voltage(V)	80
MPPT voltage range (V)	12-80
Maximum input current (A)	15

SKU 9498

! CAN NOT WORK WITHOUT CONCENTRATOR SKU:9497 !

Deye



OPTIMIZER CONCENTRATOR

SUN-XL20-B

Maximum Input Current (A)	20
System (V)	1000/1500
Connected Strings	4
Connector	MC4

SKU 9497

! CAN NOT WORK WITHOUT OPTIMIZER SKU:9498 !

Tigo



PV MODULE OPTIMIZER

SUNGO-OPT

Maximum input power(W)	700
Maximum input voltage(V)	80
MPPT voltage range (V)	16-80
Maximum input current (A)	15

SKU 9499

Sungo



Scan for more info

PV MODULE OPTIMIZER

SUNGO-OPT

Maximum input power(W)	600
Maximum input voltage(V)	60
MPPT voltage range (V)	7-60
Maximum input current (A)	16

SKU 9464



Scan for more info



SKU

9656

AC220V or 110V

SKU

9657

AC220V or 110V + DC24 Supply(Battery)

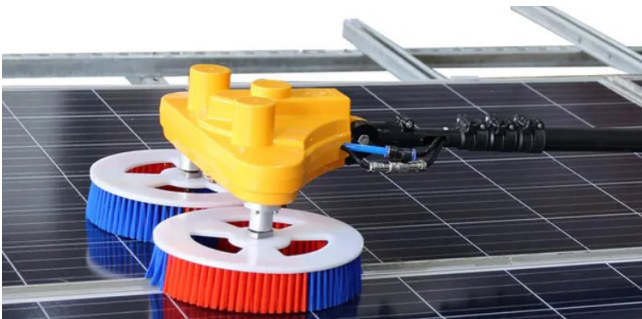
DOUBLE HEADED PV CLEANING BRUSH

5.5m Glass Fiber Handle 220VAC or 110VAC

Utilization Voltage	24V
Power	52.8W*2
Speed	128rpm
Torsion	1.2 N.m
Brush Size	280mm

Accessories:

Adapter , Water pipe and accessories , Backpack , Telescopic rod, Brush head assembly set (including 1 pcs brush discs)



SKU

9658

Single PV Panel 150W 24V10Ah

SKU

9659

Double PV Panel 200W 24V20Ah

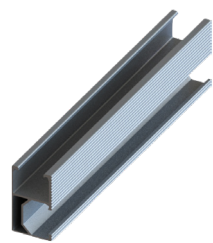
SOLAR PANEL CLEANING ROBOT

Single or Double PV Panel

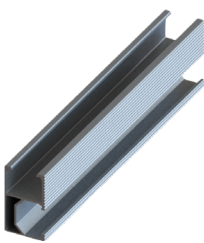
PV Module Range	Up to 2384mm Single / Double
Traveling Speed	15-20m/min
Generator Power	150W/200W
Water Used Per Hour	330
Solar Panel Power	27W
Battery Capacity (Ah)	24V10Ah / 20Ah
Cleaning Mode	Dry/Watering Cleaning
Other Functions	Speed Adjust/Direction Adjust



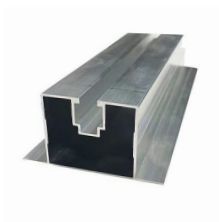
SKU 9601
Rail 27*45mm - 2.2m



SKU 9602
Rail 27*45mm - 1.2m



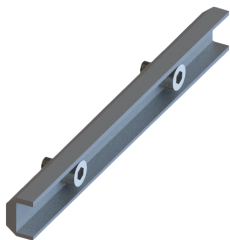
SKU 9618
300mm Mini Rail



SKU 9619
2400mm Long Rail



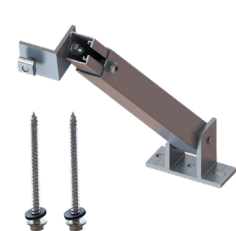
SKU 9610
Rail Joiner 200mm



SKU 9620
Rail+Rubber+Screws 70x80x18.5mm



SKU 9613
Adjustable Rear Leg 10-15°



SKU 9614
Adjustable Rear Leg 15-30°



SKU 9612
Adjustable Front Leg



SKU 9616
Adjustable Tilt Mount Bracket



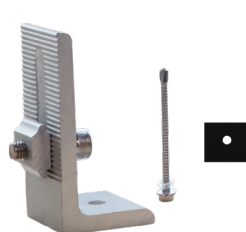
SKU 9632
Triangle Bracket 3850x1500x547mm



SKU 9635
Hook with 4pcs self Drilling Screws



SKU 9609
L-Foot M8*25mm



SKU 9611
Hanger Bolt with L-Foot



SKU 9633
Rail Clamp 40mm



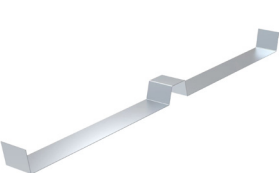
SKU 9605
Rooftop Hook



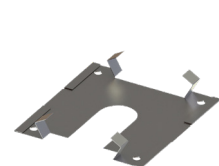
SKU 9617
Ballasted Strip 446x80x18.5mm



SKU 9634
Ballast Pan for SKU:9632



SKU 9315
Grounding Plate



SKU 9629
Expansion Bolt 60mm



SKU 9603
End Clamp M8x25mm



SKU 9621
End Clamp M8x25mm for 30mm



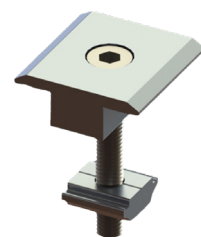
SKU 9623
End Clamp for 30mm



SKU 9630
Ball Nut 20mm



SKU 9604
Middle Clamp 35mm



SKU 9624
Middle Clamp M8x35 for 30mm



SKU 9622
Middle Clamp 20mm Wide



SKU 9606
TT Nut M8x25mm



SKU 9625
Inner Bolt 40mm



SKU 9626
Inner Bolt 25mm



SKU 9627
M8 Hexagonal Nut



SKU 9628
M8 Square Nut



SKU 9631
Sel Tapping Screw ST5.5*25mm



SKU 9607
Screw ST6.3*80mm



SKU 9608
Wood Screw M6.3*80mm





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