



LUMINA

Tel No: 00971 4 3239688
Mobile: 00971 561121541
Email: sales@luminadxb.com
contact person : Noel Draper
Web Site: www.luminadxb.com



Bright Energy

Brighten Future



About us:

LUMINA is engaged in crystalline silicon solar cells, modules manufacturing, photovoltaic systems engineering and supplying of PV application products. Established in 2009, with 10 years' experience in solar energy industry, our company holds an area of 30,000 square meters production base, 350 employees to insure the annual production value of USD50 million.

In the past decades, LUMINA built a wide sales network in global market which covers more than 68 countries, our major target markets are Europe, USA, Southeast Asia, America, Australia, Africa, etc, Our overseas projects involves State grid solar power plant, household solar system, outside portable solar system, etc.

With advanced manufacture technology, rich human resource and effective engineering and management system, we are constantly improve our production capacity to become one of the largest PV solar production bases and creating the most influential solar PV brand in 5 years. We hope to create a better tomorrow for human development!

LUMINA MAIN PRODUCTS:

- Mono solar panels
- Poly solar panels
- Double glass solar panels
- Flexible solar panels
- Folding solar panel kits
- Solar power system
- Solar inverter, Battery, Controller...





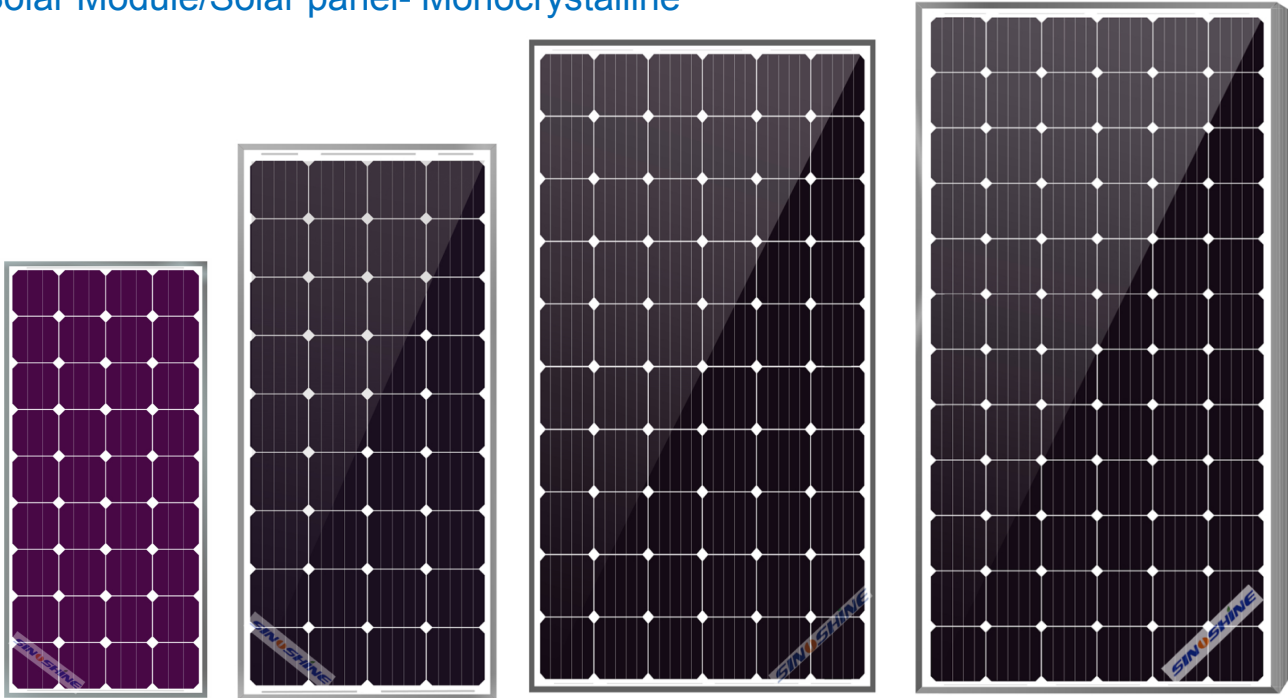
Service



- ◆ Prophase research, feasibility analysis and technical
- ◆ Project technical consultation and technical scheme
- ◆ Design Installation and technical services
- ◆ PV power plant grid connection technology services
- ◆ PV power plant maintenance services
- ◆ Government special fund subsidies support
- ◆ Project cooperation mode
- ◆ Distributed photovoltaic grid tie power station
- ◆ Photovoltaic ecological agriculture greenhouse
- ◆ Large photovoltaic grid-tie power station
- ◆ Industrial and commercial BIPV
- ◆ Photovoltaic off-grid power generation system
- ◆ Photovoltaic water pumps system



Solar Module/Solar panel- Monocrystalline



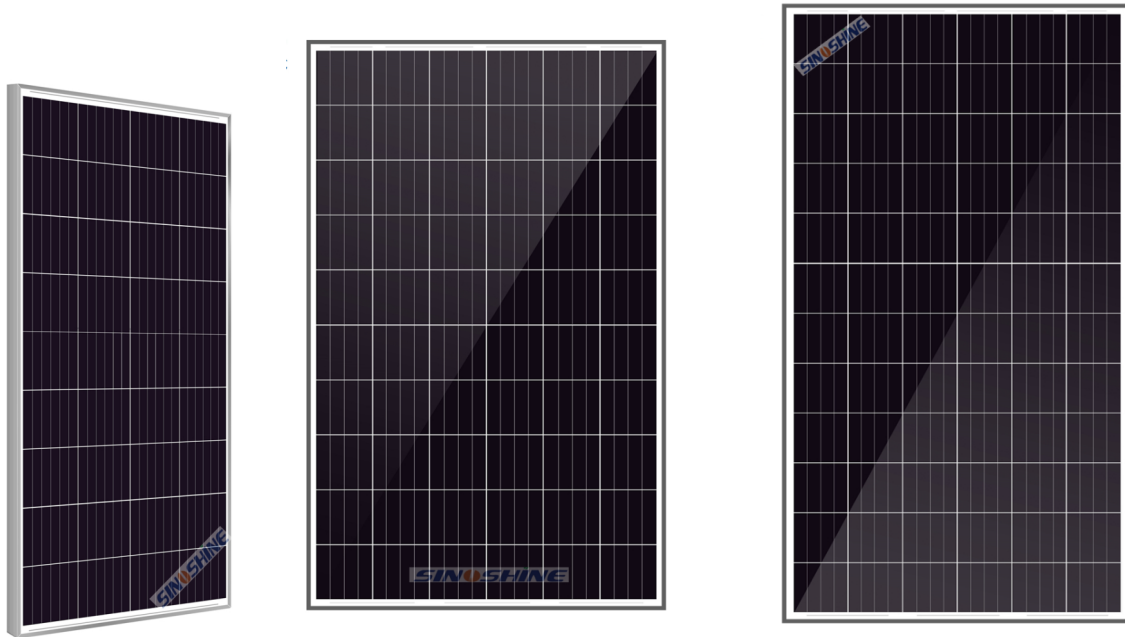
- * Power range: 3W - 360W
- * Power tolerance: 0-+3%
- * High transparency low iron tempered glass with enhanced stiffness and impact resistance
- * High efficiency solar cells delivering module series efficiency of up to 15.8%
- * Anodized Aluminum alloy frame(20/30/40/50mm available)
- * CE, ISO,ROHS ,FCC, TUV,IEC61730 certificate
- * Standard waterproof junction box with bypass diode, protect the module from burning caused by hot-spot effect if shading.
- * Pass mechanical load test of 5400Pa to strengthen the load hold and to stand against high wind.
- * 25-year performance warranty, 10-year warranty on materials and workmanship.

Type	Peak Power	Dimension(mm)	No.of cells	Vmp	Imp	Voc	Isc
SY-M80W-36P	80W	1200*540*30	36pcs	18.0V	4.45A	21.6V	4.89A
SY-M90W-36P	90W	1200*540*30	36pcs	18.0V	5.01A	21.6V	5.50A
SY-M95W-36P	95W	1200*540*30	36pcs	18.0V	5.28A	21.6V	5.81A
SY-M100W-36P	100W	1200*540*30	36pcs	18.0V	5.56A	21.6V	6.12A
SY-M120W-36P	120W	1480*680*30	36pcs	18.0V	6.67A	21.6V	7.34A
SY-M150W-36P	150W	1480*680*30	36pcs	18.0V	8.34A	21.6V	9.17A
SY-M250W-60P	250W	1640*992*40	60pcs	30.0V	8.34A	36.0V	9.17A
SY-M290W-60P	290W	1640*992*40	60pcs	30.0V	9.67A	36.0V	10.27A
SY-M300W-72P	300W	1956*992*40	72pcs	36.0V	8.34A	43.2V	9.17A
SY-M315W-72P	315W	1956*992*40	72pcs	36.0V	8.75A	43.2V	9.63A
SY-M320W-72P	320W	1956*992*40	72pcs	36.0V	8.89A	43.2V	9.78A
SY-M350W-72P	350W	1956*992*40	72pcs	36.0V	9.73A	43.2V	10.31A



LUMINA

Solar Module/Solar panel-Polycrystalline



- * Power range: 3W - 325W
- * Power tolerance: 0-+3%
- * High transparency low iron tempered glass with enhanced stiffness and impact resistance
- * High efficiency solar cells delivering module series efficiency of up to 15.8%
- * Anodized Aluminum alloy frame(20/30/40/50mm available)
- * CE, ISO,ROHS ,FCC, TUV,IEC61730 certificate
- * Standard waterproof junction box with bypass diode, protect the module from burning caused by hot-spot effect if shading.
- * Pass mechanical load test of 5400Pa to strengthen the load hold and to stand against high wind.
- * 25-year performance warranty, 10-year warranty on materials and workmanship.

Type	Peak Power	Dimension(mm)	No.of cells	Vmp	Imp	Voc	Isc
SY-P120W-36P	120W	1480*680*30	36pcs	18.0V	6.67A	21.6V	7.34A
SY-P130W-36P	130W	1480*680*30	36pcs	18.0V	7.23A	21.6V	7.94A
SY-P140W-36P	140W	1480*680*30	36pcs	18.0V	7.78A	21.6V	8.56A
SY-P150W-36P	150W	1480*680*30	36pcs	18.0V	8.34A	21.6V	9.17A
SY-P200W-48P	200W	1316*992*40	48pcs	24.0V	8.34A	28.8V	9.17A
SY-P250W-60P	250W	1640*992*40	60pcs	30.0V	8.34A	36.0V	9.17A
SY-P280W-60P	280W	1640*992*40	60pcs	30.0V	9.33A	36.0V	9.91A
SY-P300W-72P	300W	1956*992*40	72pcs	36.0V	8.34A	43.2V	9.17A
SY-P315W-72P	315W	1956*992*40	72pcs	36.0V	8.75A	43.2V	9.63A
SY-P325W-72P	325W	1956*992*40	72pcs	36.0V	9.03A	43.2V	9.56A



Double glass solar panels



- * Power range: 270W - 365W
- * Power tolerance: 0-+3%
- * High transparency low iron tempered glass with enhanced stiffness and impact resistance
- * High efficiency solar cells delivering module series efficiency of up to 19.5%
- * Anodized Aluminum alloy frame(20/30/40/50mm available)
- * CE, ISO,ROHS ,FCC, TUV,IEC61730 certificate
- * Standard waterproof junction box with bypass diode, protect the module from burning caused by hot-spot effect if shading.
- * Pass mechanical load test of 5400Pa to strengthen the load hold and to stand against high wind.
- * 30-year performance warranty, 10-year warranty on materials and workmanship.

Type	Peak Power	Dimension(mm)	No.of cells	Vmp	Imp	Voc	Isc
SY-DM280W-60P	280W	1658*992*6	60pcs	30.0V	9.33A	36.0V	9.89A
SY-DM290W-60P	290W	1658*992*6	60pcs	30.0V	9.67A	36.0V	10.24A
SY-DM300W-60P	300W	1658*992*6	60pcs	30.0V	9.99A	36.0V	10.58A
SY-DM315W-60P	315W	1658*992*6	60pcs	30.0V	10.5A	36.0V	11.13A
SY-DM345W-72P	345W	1978*992*6	72pcs	36.0V	9.58A	43.2V	10.15A
SY-DM350W-72P	350W	1978*992*6	72pcs	36.0V	9.72A	43.2V	10.30A
SY-DM360W-72P	360W	1978*992*6	72pcs	36.0V	9.99A	43.2V	10.59A
SY-DM365W-72P	365W	1978*992*6	72pcs	36.0V	10.14A	43.2V	10.73A
Type	Peak Power	Dimension(mm)	No.of cells	Vmp	Imp	Voc	Isc
SY-DP270W-60P	270W	1658*992*6	60pcs	30.0V	9.01A	36.0V	9.54A
SY-DP275W-60P	275W	1658*992*6	60pcs	30.0V	9.17A	36.0V	9.71A
SY-DP280W-60P	280W	1658*992*6	60pcs	30.0V	9.33A	36.0V	9.89A
SY-DP285W-60P	285W	1658*992*6	60pcs	30.0V	9.51A	36.0V	10.07A
SY-DP320W-72P	320W	1978*992*6	72pcs	36.0V	8.89A	43.2V	9.42A
SY-DP325W-72P	325W	1978*992*6	72pcs	36.0V	9.03A	43.2V	9.57A
SY-DP340W-72P	340W	1978*992*6	72pcs	36.0V	9.45A	43.2V	10.01A



Solar Module/Solar panel-Semi Flexible



- * Power range: 5W - 325W
- * Power tolerance: 0-+3%
- * High-efficiency silicon solar cells ensure high performance of solar modules and create maximum power output.
- * The thickness only 2.5mm, easy joint to your yacht, boat or RV roof, or fixed on your caravans, motor homes, bicycle and other vehicles for outdoor using.
- * Bending angle up to 30 degrees.
- * Front cover material is PET/ETFE.
- * 10-year performance warranty, 3-year warranty on materials and workmanship.

Type	Peak Power	Dimension(mm)	No.of cells	Vmp	Imp	Voc	Isc
SY-F50W-36P	50W	530*670*3	4*9pc	18.0V	2.78A	21.6V	2.94A
SY-F60W-36P	60W	670*630*3	4*9pc	18.0V	3.34A	21.6V	3.53A
SY-F80W-36P	80W	770*670*3	4*9pc	18.0V	4.45A	21.6V	4.71A
SY-F100W-36P	100W	1190*540*3/1000*670*3	4*9pc	18.0V	5.56A	21.6V	5.89A
SY-F110W-32P	110W	1060*540*3	4*8pc	17.6V	5.68A	21.6V	6.02A
SY-F150W-36P	150W	1480*680*3	4*9pc	18.0V	8.34A	21.6V	8.89A
SY-F170W-36P	170W	1480*680*3	4*9pc	18.7V	9.10A	23.1V	9.63A
SY-F200W-72P	200W	1580*808*3	6*12pc	36.0V	5.56A	43.2V	5.89A
SY-F325W-96P	325W	1580*1060*3	8*12pc	53.76V	6.05A	43.2V	6.40A

Solar Module/Solar panel-Folding



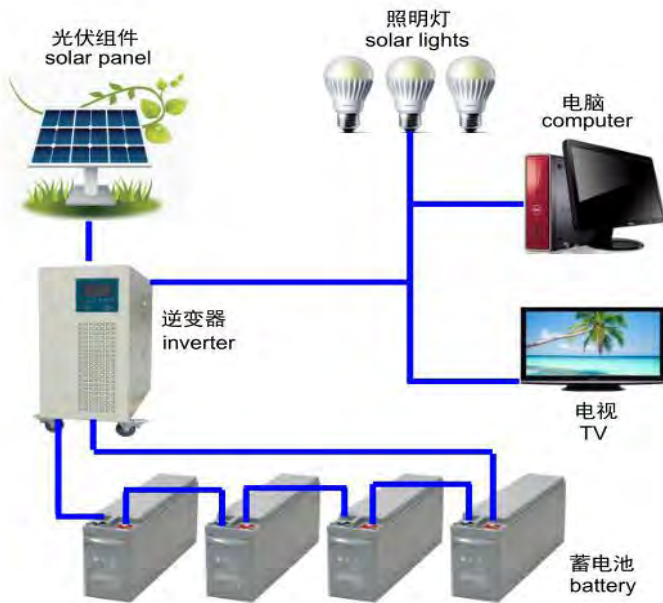
- * Power range: 40w, 60w, 80w, 100w, 160w, 200w, 250W
- * Power tolerance: 0-+3%
- * Aluminium bracket, Alloy lock and hankle.
- * PVC angle bead, alligator clip.
- * Optional accessories: Knapsack
- * Equipped with 12v/24v 10A/20A solar Controller
- * Output: DC 5V USB, DC 12V
- * Application: Home, Outdoor work, Travel.



Type	Peak Power	Dimension(mm)	Vmp	Imp	Voc	Isc	Weight
SY-FM40W-72P	40W	450*350*70	18.0V	1.74A	21.6V	1.85A	6.0kg
SY-FM60W-72P	60W	510*450*70	18.0V	3.34A	21.6V	3.80A	7.0kg
SY-FM80W-72P	80W	510*540*70	18.0V	3.35A	21.6V	3.66A	8.0kg
SY-FM100W-72P	100W	690*510*70	18.0V	5.56A	21.6V	6.12A	10.0kg
SY-FM120W-72P	120W	630*670*70	18.0V	6.67A	21.6V	7.34A	12.0kg
SY-FM160W-72P	160W	770*670*70	18.0V	8.89A	21.6V	9.42A	16.0kg
SY-FM200W-72P	200W	900*670*70	18.0V	11.12A	21.6V	11.77A	22kg
SY-FM250W-72P	250W	800*800*70	20.16V	12.40A	24.19V	13.15A	20kg

Solar power system

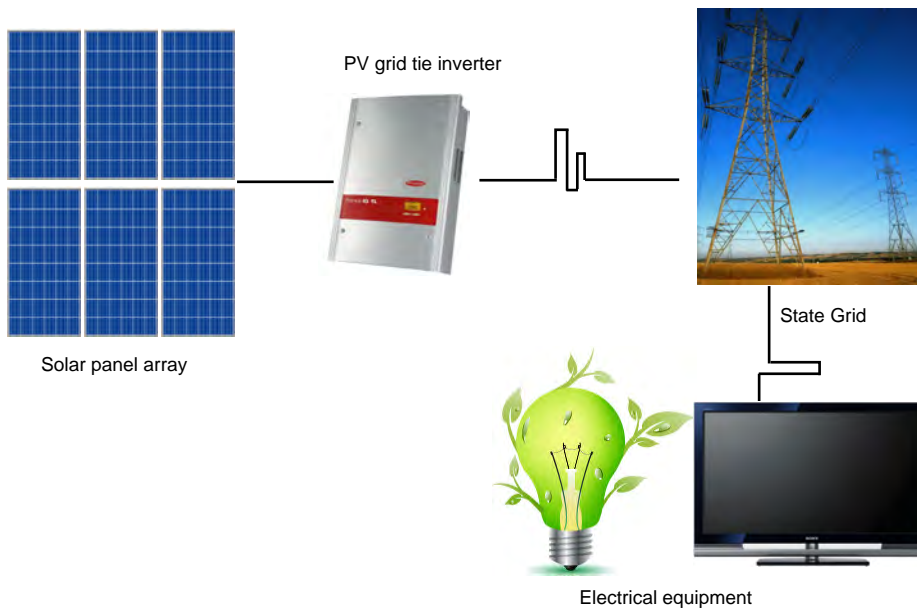
Household Solar System-Off-grid



Product features

- ◆ Intergrated portable design, small volume, compact structure, convenient to install and daily management.
- ◆ Simple operation, low maintenance.
- ◆ Safe and reliable:the system have overload, short circuit, overvoltage, undervoltage, reverse connection of various circuit protection, to ensure safe and reliable operation.
- ◆ Applicable to the new rural places or areas in short of electricity or no electricity, it can supply electricity to the daily lighting and general home appliance.

Household Solar System-On-grid



Product features

- ◆ PV grid tie system can not be separated from the grid and working independently, but it saves the part of stor-age the energy,low cost, high return.
- ◆ Using the existing roof, without occupying the land,less investment, short construction period,residents can act as invertors.
- ◆ Safe and reliable:the system have overload, short circuit, overvoltage, undervoltage, reverse connection of various circuit protection, to ensure safe and reliable operation.

Solar Street Light System



- ◆ 5w-200w multiple configurations can be selected; customized integrated street lamps could be supplied
- ◆ Lights: high pressure sodium lamp or LED lamp
- ◆ Panel: Mono or Poly high efficiency panel to charge faster
- ◆ Controller: microcomputer intelligent controller.
- ◆ Height: 5 m and 12 m
- ◆ Features: Provide road lighting for urban roads, communities, highways and other public places.
Provide green, environmental, energy-saving lighting solutions, to improve the image of the city and alleviate the energy shortage
Easy to install, Free maintenance, WaterProof.

Solar Street Light Datasheet

Model	Type	Solar Panel	Battery	Controller	LED	Light Pole	Rain Days
SYSL-10W	Integrated	20W	Li 17Ah	10A	10W	3M	3
SYSL-20W	Integrated	40W	Li 21Ah	10A	20W	3M	3
SYSL-30W	Normal	70W	Gel 60Ah	10A	30W	5M	3
SYSL-60W	Normal	150W	Gel 150Ah	15A	60W	8M	3
SYSL-80W	Normal	200W	Gel 200Ah	20A	80W	10M	3
SYSL-100W	Normal	240W	Gel 240Ah	20A	100W	12M	3



Portable Solar System



- ◆ AC Solar Generators, Power: 80w, 100w, 150w, 200w, 300w.
- ◆ Application: Home, Outdoor work, Travel.

- ◆ DC Solar Generators, Power: 10w, 15w, 20w, 30w.
- ◆ Output: DC 5V USB, DC 12V, FM



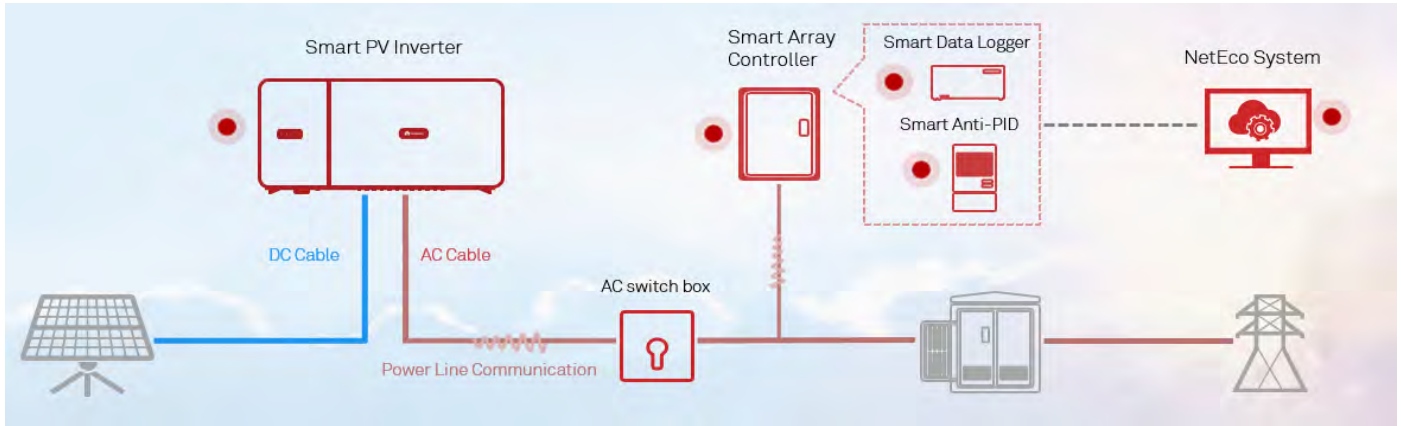
- ◆ DC Solar Generators, Power: 10w, 15w, 20w, 30w.
- ◆ Output: DC 5V USB, DC 12V, FM Portable light.

- ◆ Easy to carry: form-padded bag with shoulder strap.
- ◆ Easy to use: no construction needed, comes ready to use.
- ◆ Product support: ongoing expert level advice.
- ◆ Clean and compact: eco-friendly, quite energy output
- ◆ German standard: guaranteed 0-10% more power

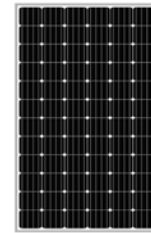


Solar Plant System

LUMINA Support our EPC partners completed a lot of large ground-mounted PV power stations in various areas through the world. In this way, the barren and un-usable land will be turned into high-value ground-mounted PV power stations, providing more green energy to the remote areas. Such projects with sound financial and social implications are definitely your top investment options.



Solar Panels



Mounting Brackets



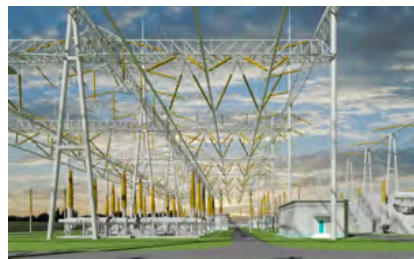
Inverter



Controller units



- ◆ Professional Design and engineering solution
- ◆ Solar panels, brackets and all accessories material supply
- ◆ Oversea Installation Service
- ◆ Global Real-time Monitoring
- ◆ 5*24h Online Support for technical and sales service
- ◆ Operation And Maintenance Service



Solar Inverter

Inverters are an integral part of a solar electric system. They convert direct current (DC) generated by the solar panel to grid-compatible alternating current (AC), which can be fed into the public grid. In addition, they store operating data and monitor the grid connection.

Sinoshine support on grid (Grid tie) Micro inverter and Off grid solar inverter , Power range from 100W to 1MW ;

Solar Inverter-On Grid



Type	Rated DC Max Power	Rated DC Max Voltage	Efficiency	MPPT Efficiency	Dimension (mm)	Weight
GW-1000-NS	1500W	500V	96.5%	99.9%	/	/
GW-1500-NS	1800W	500V	97%	99.9%	344*275*128	7.5kg
GW-2000-NS	2300W	500V	97%	99.9%	344*275*128	7.5kg
GW-2500-NS	2700W	500V	97%	99.9%	344*275*128	8.5kg
GW-3000-NS	3200W	500V	97%	99.9%	344*275*128	8.5kg
GW-4200-NS	4600W	580V	97.8%	99.9%	347*432*145	14kg
GW-5000-NS	5500W	580V	97.8%	99.9%	347*432*145	14kg
GW-8000-DT	8300W	1000V	98.3%	99.9%	516*474*192	24Kg
GW-10KN-DT	10500W	1000V	98.3%	99.9%	516*474*192	24Kg

Solar Inverter- Off Grid



Type	Rated Output Power	Rated Input DC Voltage	Efficiency	MPPT Efficiency	Dimension (mm)	Weight
SY-1000-OFF	1000W	12/24/48V	80-90%	99%	395*275*520	29kg
SY-2000-OFF	2000W	12/24/48V	80-90%	99%	395*275*520	30kg
SY-3000-OFF	3000W	12/24/48V	80-90%	99%	395*275*520	32kg
SY-4000-OFF	4000W	24/48V	80-90%	99%	500*250*470	43kg
SY-5000-OFF	5000W	24/48V	80-90%	99%	500*250*470	48kg
SY-6000-OFF	6000W	24/48V	80-90%	99%	500*250*470	53kg



Type	Rated Output Power	Rated Input DC Voltage	Efficiency	MPPT Efficiency	Dimension (mm)	Weight
SY-300-OFF	300W	12/24/48V	80-90%	99%	240*127*66	1.0kg
SY-500-OFF	500W	12/24/48V	80-90%	99%	295*203*90	2.6kg
SY-600-OFF	600W	12/24/48V	80-90%	99%	295*203*90	2.7kg
SY-800-OFF	800W	12/24/48V	80-90%	99%	295*203*90	2.9kg
SY-1000-OFF	1000W	12/24/48V	80-90%	99%	420*203*90	4.1kg

Solar Controller:

LUMINA solar charge controller is an advanced Maximum Power Point Tracking (MPPT) controller for off-grid photovoltaic (PV) systems. The MPPT controller features a smart tracking algorithm that maximizes the energy harvest from the PV by rapidly finding the solar array peak power point based on varied temperature. The MPPT controller provides higher efficiency up to 97% with lower power loss.

MPPT and PWM is specially designed to work with all established PV modules and is optimized for thin film and grid-tied modules.



MPPT Controller



PWM Controller

MPPT SOLAR CHARGE CONTROLLER

DC12V/24V/48V Automatic recognition 20A~60A SERIES

- MPPT charge mode, conversion efficiency upto 99%
- 12V/24V/48V system auto recognize
- Maximum input PV voltage up to DC150V
- Unlimited parallel connection
- RS232 and LAN communication port.
- The upper computer software could show work status and set parameters
- LCD and LEDs show all kinds of parameter
- CE, ROHS, FCC certifications approved
- 2 years warranty; 3~10 years extended technical service
- Discharge mode: ON/OFF mode, double time control mode, PV voltage control mode ,
- PV voltage+time delay mode and so on

PWM Controller

PWM Model	Characters	Voltage	Current
SY12V-1080A	4 protections;thunder protection	12V	1A~80A
SY24V-10~40A	4 protections;thunder protection	24V	10A~40A
SY48V-10~60A	4 protections;thunder protection	48V	10A~60A

Solar Battery

Application:

- * Energy storage system
- * Energy (wind) household systems
- * Off-grid /Distributed power station
- * Solar energy (wind) communication base station
- * Solar energy (wind) lamps
- * Mobile energy storage system
- * Rechargeable batteries aa
- * Solar building systems



Models	Nominal voltage (V)	Capacity (Ah)	Overall dimensions (mm)				Weight (kg ± 3%)	Bolt
			Length	Width	Height	Overall height		
FCG12-24	12	24/10HR	165	126	174	174	7.8	M6×12
FCG12-26	12	26/10HR	166	175	126	126	8.4	M6×16
FCG12-33	12	33/10HR	196	130	155	167	10.1	M6×16
FCG12-38	12	38/10HR	197	166	174	174	12.4	M6×16
FCG12-42	12	42/10HR	198	166	174	174	13	M6×16
FCG12-50	12	50/10HR	229	138	208	212	15.6	M6×16
FCG12-55	12	55/10HR	331	174	214	219	18.3	M8×16
FCG12-65	12	65/10HR	350	167	178	178	20.3	M6×16
FCG12-70	12	70/10HR	260	169	211	215	21.8	M6×16
FCG12-75	12	75/10HR	260	169	211	215	22.2	M6×16
FCG12-80	12	80/10HR	331	174	214	219	25	M8×16
FCG12-90	12	90/10HR	331	174	214	219	28	M8×16
FCG12-100	12	100/10HR	331	174	214	219	30.7	M8×16
FCG12-120	12	120/10HR	407	174	210	233	34.4	M8×16
FCG12-145	12	145/20HR	532	206	212	217	41.6	M8×16
FCG12-150	12	150/10HR	484	171	241	241	43.7	M8×16
FCG12-160	12	160/10HR	532	206	216	222	48.5	M8×16
FCG12-180	12	180/10HR	522	240	219	224	55.6	M8×16
FCG12-200	12	200/10HR	522	240	219	224	58.5	M8×16
FCG12-220	12	220/10HR	520	269	203	209	68.3	M8×16
FCG12-250	12	250/10HR	520	268	220	225	70.3	M8×16



200KW Grid Power Station



15KW Grid Power Station



20KW Grid Power Station



5KW Grid Power Station



7.5KW Grid Power Station



350KW Grid Power Station



33KW Grid Power Station



220KW Grid Power Station



1.6MW Grid Power Station

