BandaSolar.com

Your Partner in Industrial Lighting and Solar Power Solutions.

D.O.E. accredited supplier under R.A.9513 or Renewable Energy Act of 2008

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Bandacorp Solar Inc.

Make it Happen!

About Us

Tracing its roots back to parent company Bandacorp PI Inc., BandaSolar was formed to meet the growing demand for solar solutions. The Banda group of companies was established in the environmentally protected green zone of Subic Bay Freeport Zone in 2006. We design and supply equipment for solar powered systems for commercial, government, industrial, and residential customers. Our company partners only with carefully selected reputable manufacturers to ensure the high quality of the products we offer to our valued customers.

BandaSolar addresses the global concerns of rising energy costs and environmental protection through our developments in the use of solar energy. It is our belief that the energy choices we make today will profoundly impact the future of life on our planet. Solar power is an effective, proven alternative to traditional utility power, and for many locations around the world it is one of the only alternatives.

Providing custom solar solutions from remote power systems, to commercial grade solar powered lighting, to water heating using solar technology, BandaSolar wants to be the source for all of your renewable energy needs.

Company TIN No.: 007 - 957 - 231 - 000
SEC Registration No.: CS201100350
DOE Accreditation No.: RE - SW2012 - 12 - 004 - 00
PhilGEPS Certificate No.: 2013 - 88321 / 2013020016340

Mission / Vision

MISSION:

To be the most competitive local manufacturer, fabricator, assembler and supplier of solar powered products to the Philippine solar industry by supplying the contractors and installers of solar solutions.

VISION:

Providing custom solar solutions to installers from remote power systems, to commercial grade solar powered lighting, to water heating and refrigeration systems using solar technology, BandaSolar wants to be the source for all of your renewable energy needs while promoting the Renewable Energy economy in the Philippines.

Portable Solar Home Kits

5w Portable Solar Home Kit

1pc. Solar panel :
(5w Monocrystalline)
2pcs. Lamps: 3w 12v LED Bulb
1pc. Battery: 12v 5AH AGM Paste
1pc. Mobile Charger Connector
2pcs. Wires & Sockets for LED Bulbs
1pc Conroller Box

10w Portable Solar Home Kit

1pc. Solar panel :
(10w Monocrystalline)
2pcs. Lamps: 3w 12v LED Bulb
1pc. Battery: 12v 9AH AGM Paste
1pc. Mobile Charger Connector
2pcs. Wires & Sockets for LED Bulbs
1pc Conroller Box

15w Portable Solar Home Kit

1pc. Solar panel :
(15w Monocrystalline)
2pcs. Lamps: 3w 12v LED Bulb
1pc. Battery: 12v 17AH AGM Paste
1pc. Mobile Charger Connector
2pcs. Wires & Sockets for LED Bulbs
1pc Conroller Box

20w Portable Solar Home Kit

1pc. Solar panel :
(20w Monocrystalline)
1pc. Fan: 12" DC Table Fan
with 3 Wind Speed
2pcs. Lamps: 3w 12v LED Bulb
1pc. Battery: 12v 20AH AGM Paste
1pc. Mobile Charger Connector
2pcs. Wires & Sockets for LED Bulbs
1pc Conroller Box

40w Portable Solar Home Kit

1pc. Solar panel :
(40w Monocrystalline)
1pc. Fan: 12" DC Table Fan
with 3 Wind Speed
2pcs. Lamps: 3w 12v LED Bulb
1pc. Battery: 12v 38AH AGM Paste
1pc. Mobile Charger Connector
2pcs. Wires & Sockets for LED Bulbs
1pc Conroller Box

No More BROWNOUTS!

Charge your phones,
provide lights and
beat the heat
anytime & anywheree

NOTE:Over discharge and over charge protection by controller indicative light for charging.
Can be charge by the AC Power or by the Solar Panel

PORTABLE KITS

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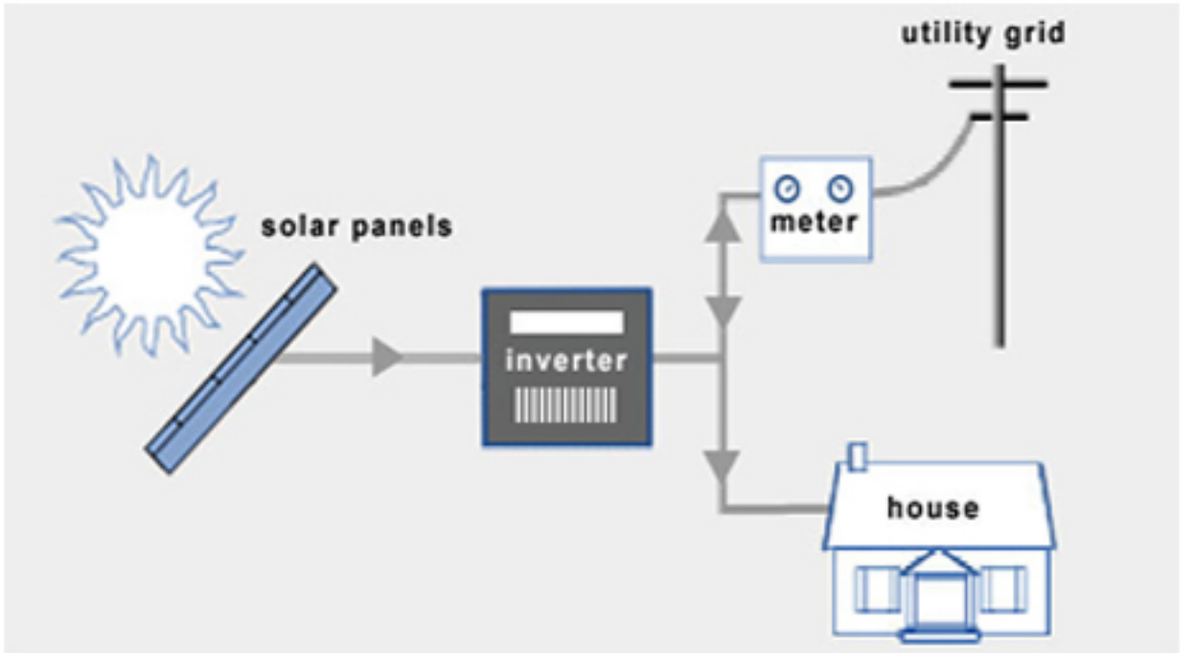
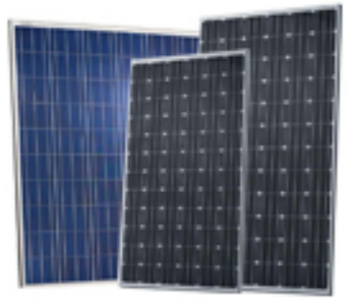
Grid - Tied Solar Power Station



An On Grid or Utility Connected Solar PV System is the most common type of solar PV system.

Grid-tied systems are connected to the electrical grid, and allow users to use solar energy as well as electricity from the grid. Grid-tied systems do not need to produce 100% of the electricity needed. When there is no demand for energy, the solar panels send excess electricity back out into the grid for net metering.

COMPONENTS:

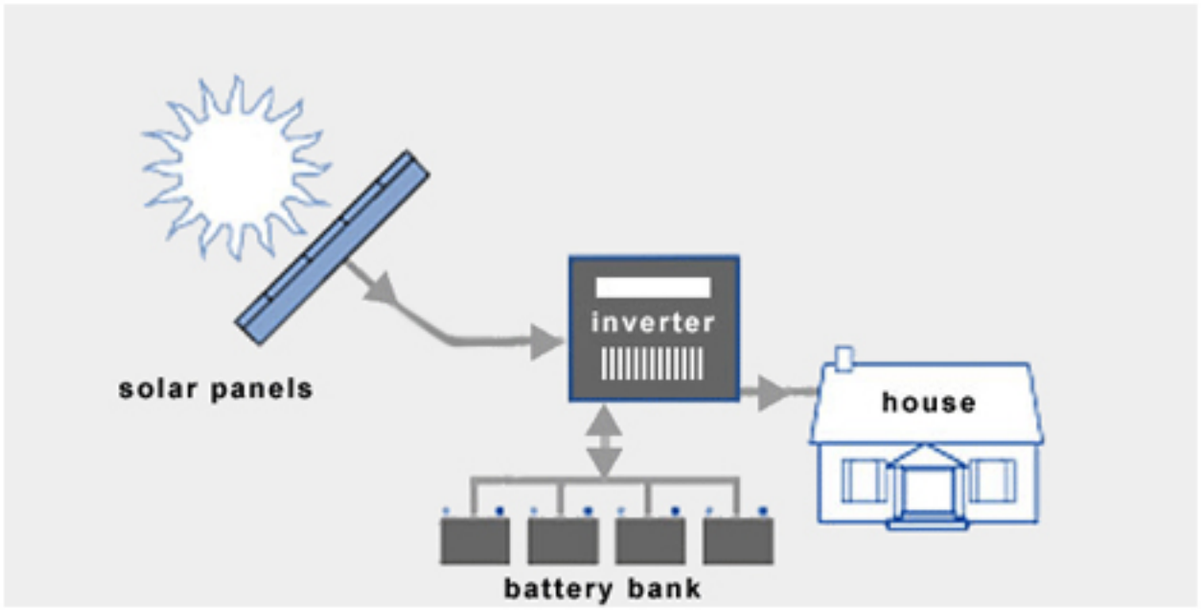


Solar Panels

Combiner Box

Inverter

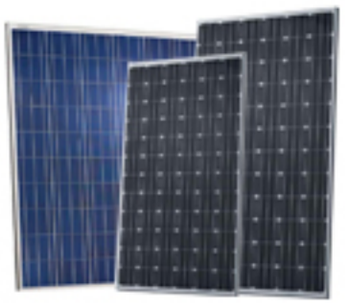
OFF - Grid Solar Power Station



An Off Grid or Stand Alone Solar PV System which do not tie into the power grid, requires that the solar panels are able to produce enough electricity to cover 100% of the energy needed.

Most homes have higher demand at night, so Off Grid Systems usually incorporate batteries. Off Grid Systems are most common on remote locations without utility service.

COMPONENTS:



Solar Panels

Combiner Box

Inverter

Distribution Box

Batteries

Solar Power Station

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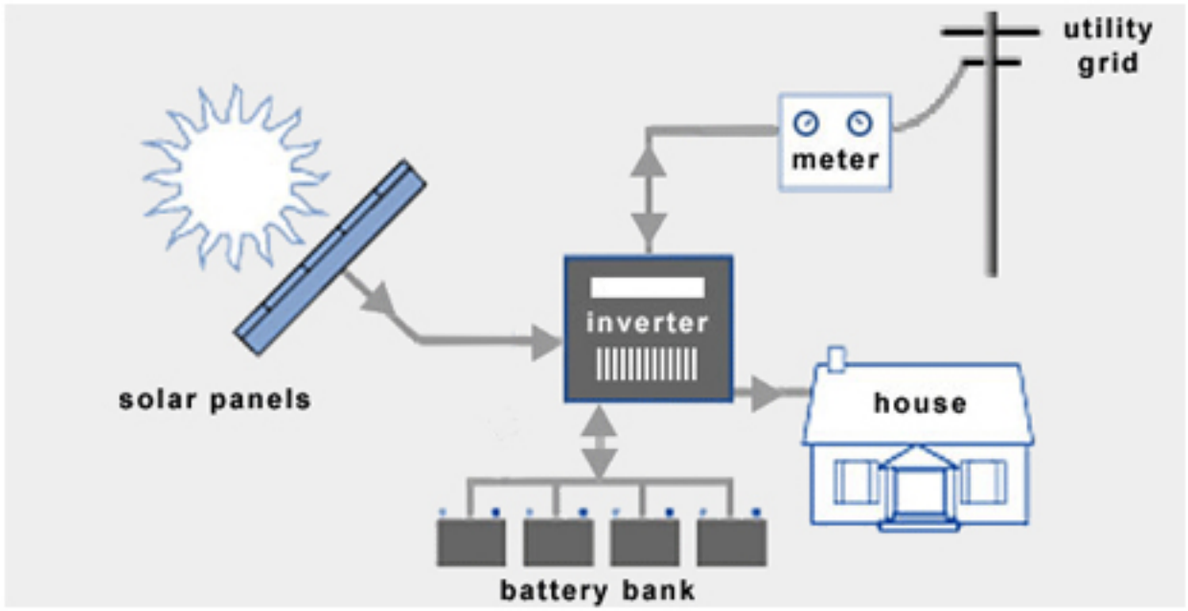
Smart Grid Solar Power Station

On and Off Grid



A Smart or On/Off Grid Solar PV System combines the best from Grid-tied and Off Grid solar systems.

These systems can either be described as Off Grid solar with utility backup power, or Grid-tied solar with extra battery storage. Smart solar holds a lot of promise. The concept will become increasingly important as we transition towards the Smart Grid in the coming years.

COMPONENTS:

Solar Panels

Combiner Box

Inverter

Batteries

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Solar Street Lights

15w Solar Street Light

15w COB Street Light
50-60w PV panel
50-55AH Battery
5-10a solar controller
Features:
Battery on top,
controller and driver
in light head,
no wires in pole

30w Solar Street Light

30w COB Street Light
110-130w PV panel
100-110AH Battery
10a solar controller
Features:
Battery on top,
controller and driver
in light head,
no wires in pole

60w Solar Street Light

60w COB Street Light
200-240w PV panel
200AH Battery
10a solar controller
Features:
Battery on top,
controller and driver
in light head,
no wires in pole

System Design:
8 hrs per day,
3-4 days battery back up
Upto 4 rainy days battery reserve

Designed and Fabricated by: BANDASOLAR

System Components:
- LED Lamp
- Solar Panel
- Battery
- Controller
- Pole (optional)

All lights can be customized to your requirements!

• Specification and Features are subject to change.

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SOLAR STREET LIGHTS

Solar Flood Lights

10w Solar Flood Light

10w COB Flood Light
40w PV panel
38AH Battery
5-10a solar controller
Features:
Battery on top,
controller and driver
in light head,
no wires in pole

20w Solar Flood Light

20w COB Flood Light
80w PV panel
50-55AH Battery
5-10a solar controller
Features:
Battery on top,
controller and driver
in light head,
no wires in pole

30w Solar Flood Light

30w COB Flood Light
110-130w PV panel
100-110AH Battery
10a solar controller
Features:
Battery on top,
controller and driver
in light head,
no wires in pole

System Design:
8 hrs per day,
3-4 days battery back up
Upto 4 rainy days battery reserve

Designed and Fabricated by: BANDASOLAR

System Components:
- LED Lamp
- Solar Panel
- Battery
- Controller
- Pole (optional)

All lights can be customized to your requirements!

• Specification and Features are subject to change.

BandaSolar.com

SOLAR STREET LIGHTS

Solar Path Lights

Single Arm Solar Path Lights

5w LED Bulb
35-40w PV panel
38AH Battery
5A solar controller
Features:
Battery on top,
controller and driver
in light head,
no wires in pole

Double Arm Solar Path Lights

5w•2pcs LED Bulb
60w PV panel
55AH Battery
10A solar controller
Features:
Battery on top,
controller and driver
in light head,
no wires in pole

System Design:
8 hrs per day,
3-4 days battery back up
Upto 4 rainy days battery reserve

System Components:
-LED Lamp
-Solar Panel
-Battery
-Controller
-Pole (optional)

Designed and Fabricated by: BANDASOLAR

All lights can be customized to your requirements!

- Specification and Features are subject to change.

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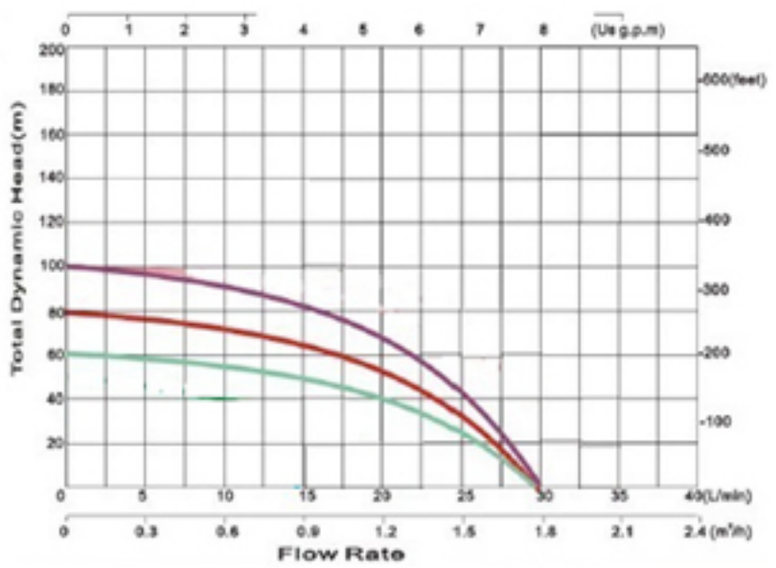
SOLAR STREET LIGHTS

Solar Water Pump

3 inches screw Pump



DC Solar Pump

Motor filled with OIL

Max immersible depth: 40m

PUMP PERFORMANCE

VOLTAGE (v)	POWER (w)	MAX FLOW (m3/h)	MAX HEAD (m)	OUTLET (inch)	DIAMETER (mm)
36	270	1.8	100	0.75"	76

Performance:
30 Liters per
MINUTE!!!

ACCESSORIES:
1.Pump Controller
2.Screw
3.Water Level Sensor
4.Cable For Solar Panel: 6m
5.Cable Connector

MATERIAL OF PARTS
Outlet:stainless steel
Pump body:stainless steel
Motor body:stainless steel
Screw:stainless steel
Bearing:NSK

Screw | Cable Connector | Water level sensor | Cable for solar panel

SOLAR PUMPS

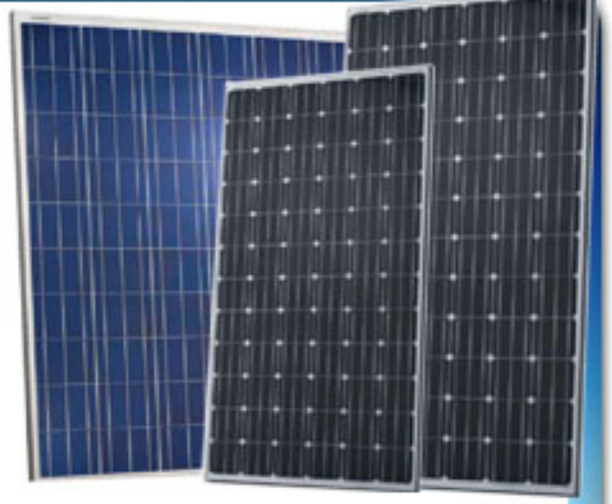
BandaSolar.com

SOLAR PANELS

Solar
JinKO

KEY FEATURES

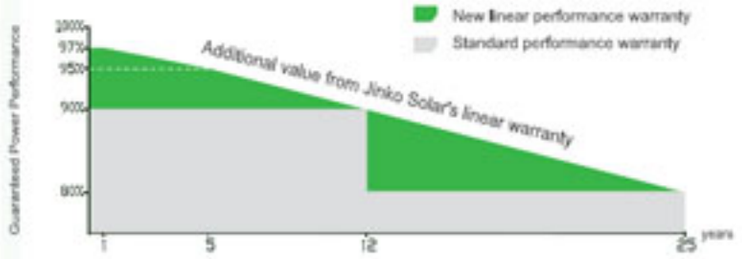
- High module conversion efficiency (up to 16.19%), through superior manufacturing technology
- Anti-reflective coating improves light absorption and reduces surface dust
- Excellent performance in low-light irradiance environment
- Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)
- High salt mist and ammonia resistance
- Perfect module self-cleaning capability, reduce power loss caused by dust (soiling effect)
- More elegant cell and module appearance



QUALITY&SAFETY

- Positive power tolerance of -0/+3% *
- 10 year warranty on material & workmanship *
- Industry leading power output warranty (12 years/90%, 25 years/80%)
- Premium linear performance warranty *

Premium Performance Warranty



* Based on customer requirements and contract terms

APPLICATIONS

- On-grid residential roof-tops
- On-grid commercial/ industrial roof-tops
- Solar power plants
- Off-grid systems

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SOLAR PANELS

MONOCRYSTALINE
Solar Panels

Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)
No.of cells	60 (6×10)
Dimensions	1650×992×40mm (65.00×39.05×1.57 inch)
Weight	18.5 kg (40.8 lbs)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm,² Length:900mm

SPECIFICATIONS

Module Type	JKM250M		JKM255M		JKM260M		JKM265M		JKM270M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	250Wp	185Wp	255Wp	189Wp	260Wp	193Wp	265Wp	197Wp	270Wp	201Wp
Maximum Power Voltage (Vmp)	30.6V	28.4V	30.8V	28.6V	30.9V	28.7V	31.2V	29.0V	31.4V	29.3V
Maximum Power Current (Imp)	8.17A	6.51A	8.28A	6.60A	8.42A	6.71A	8.50A	6.78A	8.60A	6.85A
Open-circuit Voltage (Voc)	37.6V	34.8V	37.8V	35.0V	37.9V	35.1V	38.2V	35.4V	38.4V	35.6V
Short-circuit Current (Isc)	8.70A	7.02A	8.96A	7.21A	9.10A	7.32A	9.19A	7.39A	9.28A	7.45A
Module Efficiency STC (%)	15.27%		15.58%		15.89%		16.19%		16.50%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1000VDC (IEC)									
Maximum series fuse rating	15A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.40%/℃									
Temperature coefficients of Voc	-0.29%/℃									
Temperature coefficients of Isc	0.05%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

SOLAR PANELS

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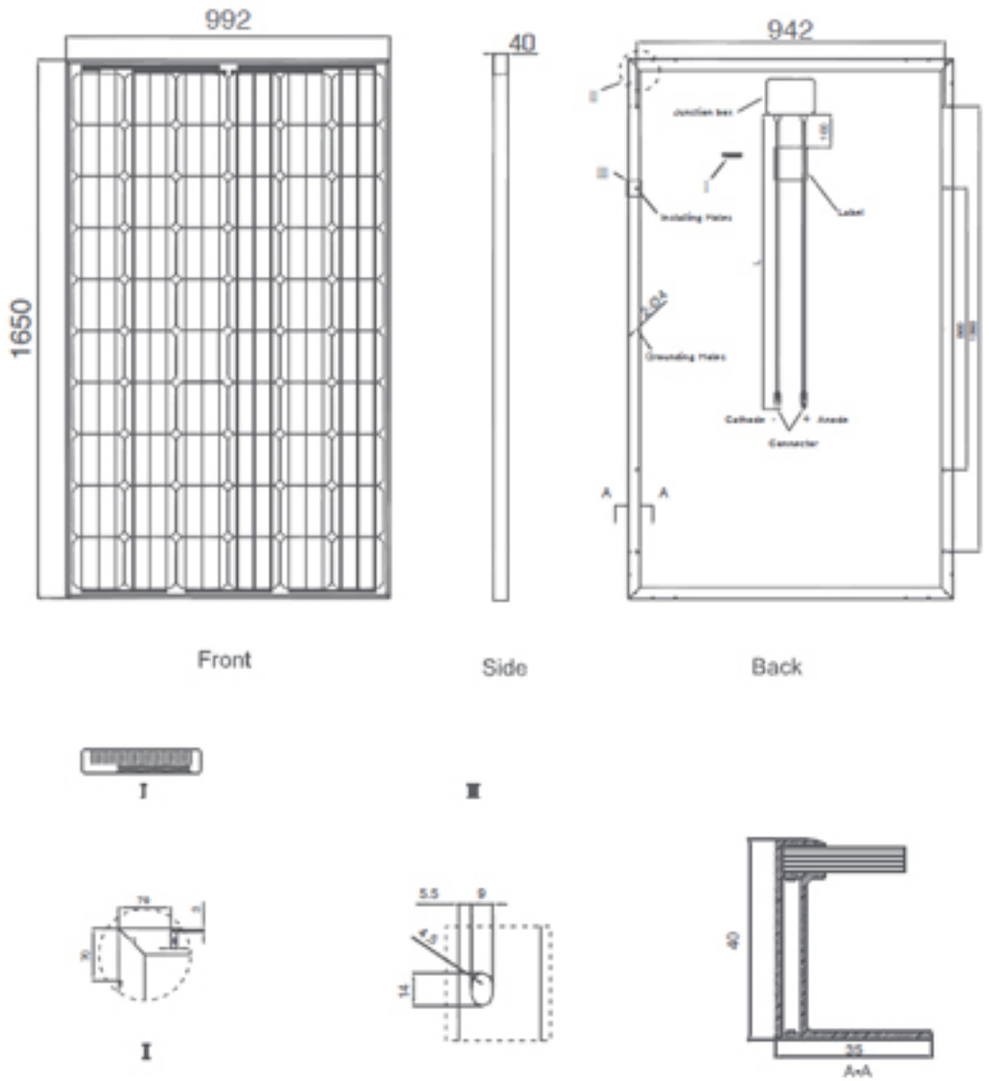
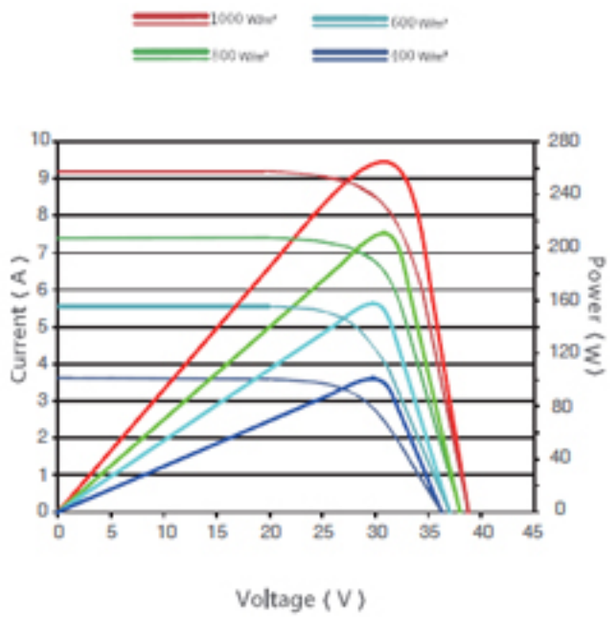
MONOCRYSTALINE
Solar Panels

Engineering Drawings

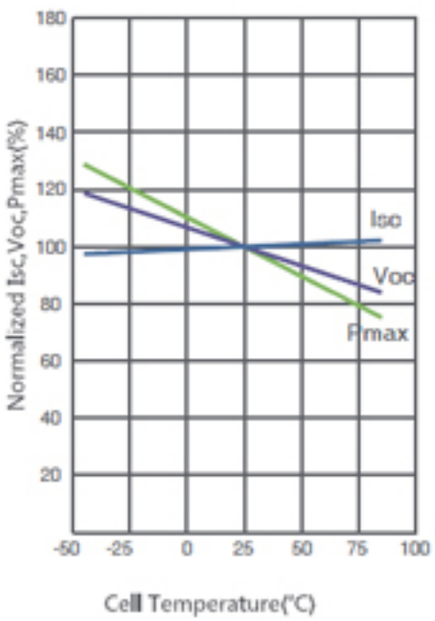


Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (265W)



Temperature Dependence of Isc,Voc,Pmax



SOLAR PANELS

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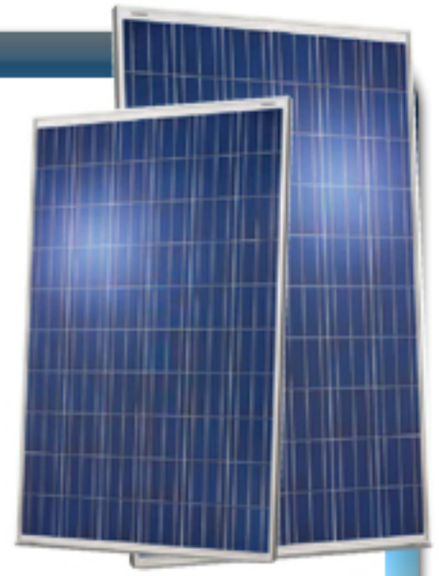
POLYCRYSTALINE
Solar Panels



Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No.of cells	60 (6×10)
Dimensions	1650×992×40mm (65.00×39.05×1.57 inch)
Weight	18.5 kg (40.8 lbs)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm^2, Length:900mm

SPECIFICATIONS

Module Type	JKM245P		JKM250P		JKM255P		JKM260P		JKM265P	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	245Wp	181Wp	250Wp	184Wp	255Wp	189 Wp	260Wp	193Wp	265Wp	197Wp
Maximum Power Voltage (Vmp)	30.1V	27.8V	30.5V	28.0V	30.8V	28.5V	31.1V	28.7V	31.4V	29.0V
Maximum Power Current (Imp)	8.14A	6.50A	8.20A	6.56A	8.28A	6.63A	8.37A	6.71A	8.44A	6.78A
Open-circuit Voltage (Voc)	37.5V	34.8V	37.7V	34.9V	38.0V	35.2V	38.1V	35.2V	38.6V	35.3V
Short-circuit Current (Isc)	8.76A	7.16A	8.85A	7.21A	8.92A	7.26A	8.98A	7.31A	9.03A	7.36A
Module Efficiency STC (%)	14.97%		15.27%		15.58%		15.89%		16.19%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1000VDC (IEC)									
Maximum series fuse rating	15A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.41%/℃									
Temperature coefficients of Voc	-0.31%/℃									
Temperature coefficients of Isc	0.06%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

SOLAR PANELS

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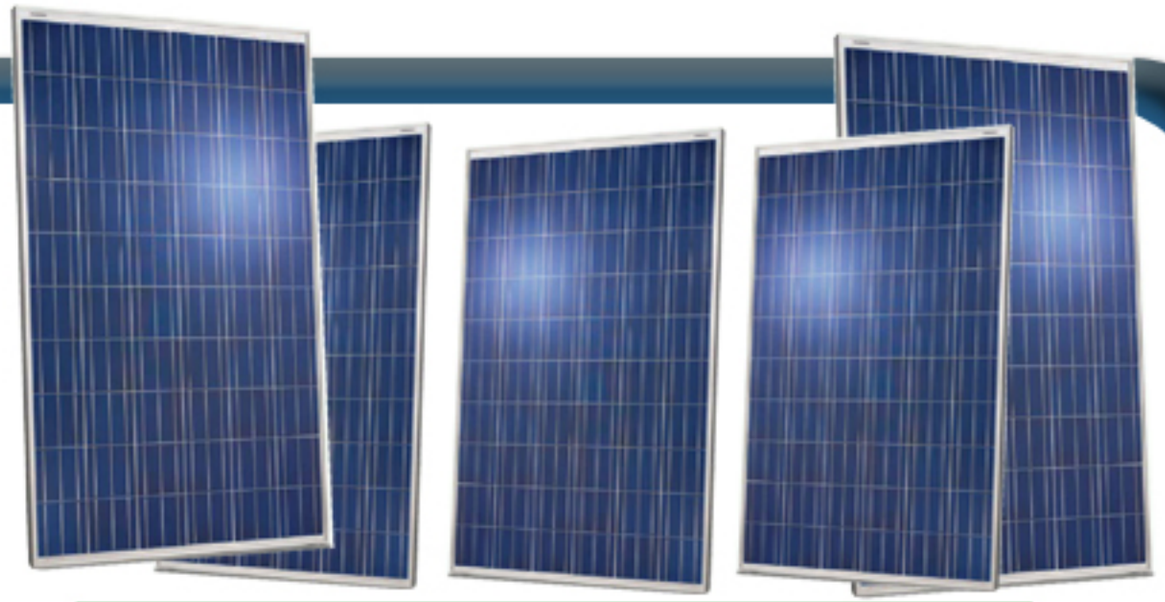
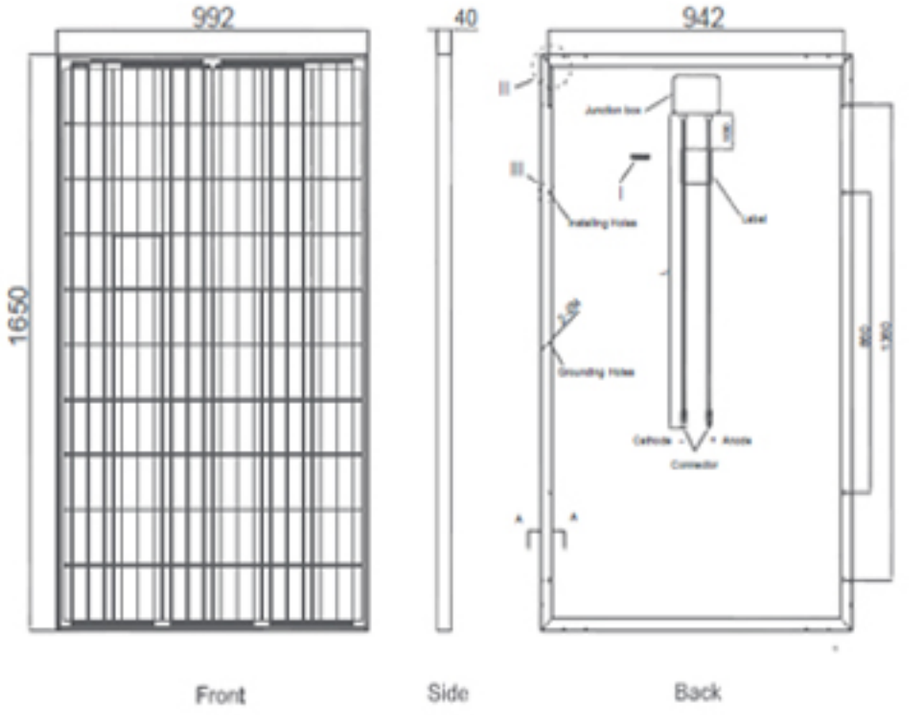
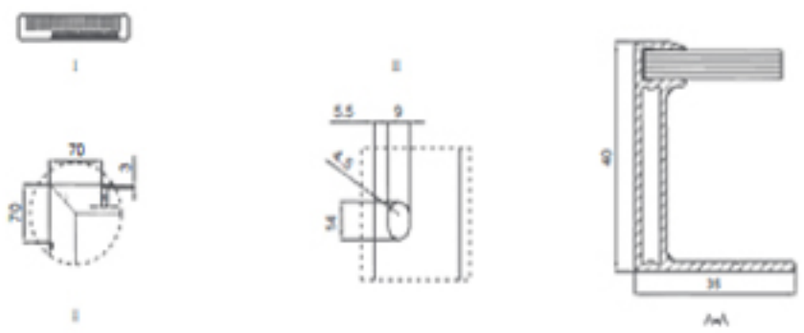
POLYCRYSTALINE
Solar Panels



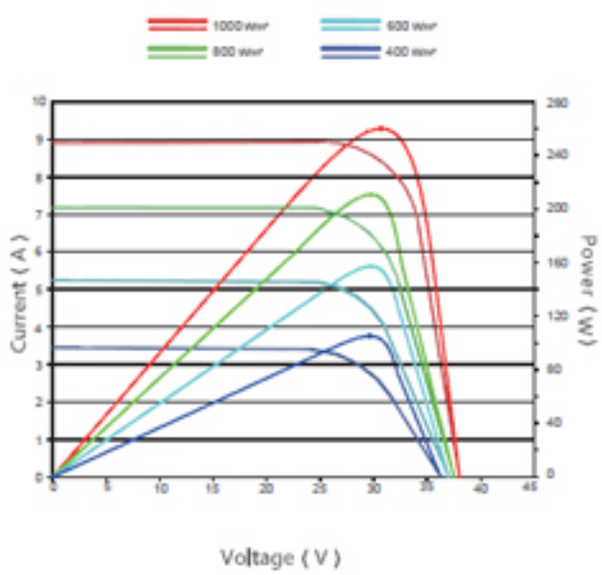
Engineering Drawings



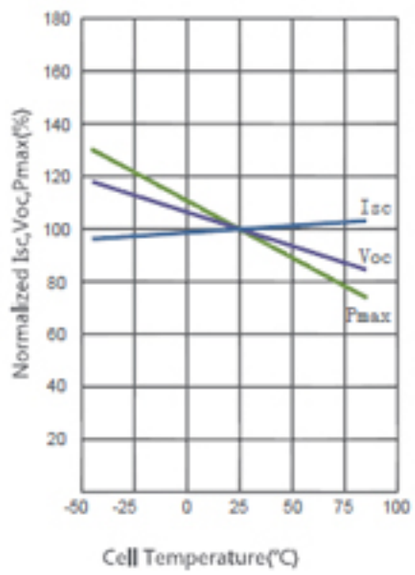


Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (260W)



Temperature Dependence of Isc,Voc,Pmax



SOLAR PANELS

40watt Monocrystalline Panels

Specifications:

Cell Type:	Monocrystalline Silicon Solar Cell
No. of Cell:	12(3*4)
Dimension:	512*690*30mm
Weight:	4.5 Kg
Front glass:	3.2mm High Transmission, Tempered Glass
Frame:	Annodized Aluminum Alloy
Junction Box:	IP65 Rated
Output cables:	TUV 1x4mm2 at 900mm

Electrical Characteristics:

Maximum power at STC (PMAX):	40W
Open Circuit Voltage (VOC):	21.40V
Short Circuit Current Isc:	2.51A
Voltage at Pmaxt (VMP):	17.5V
Current at Pmaxt (IMP) :	2.29A

Limits:

Maximum System Voltage:	700V
Operating Temperature:	-40~+85°C

Also Available in Polycrystalline!

BandaSolar.com

SOLAR PANELS

60watt Monocrystalline Panels

Specifications:

Cell Type:	Monocrystalline Silicon Solar Cell
No. of Cell:	18(4*4.5)
Dimension:	512*992*35mm
Weight:	5.9 Kg
Front glass:	3.2mm High Transmission, Tempered Glass
Frame:	Annodized Aluminum Alloy
Junction Box:	IP65 Rated
Output cables:	TUV 1x4mm2 at 900mm

Electrical Characteristics:

Maximum power at STC (PMAX):	60W
Open Circuit Voltage (VOC):	20.16V
Short Circuit Current Isc:	3.90A
Voltage at Pmaxt (VMP):	17.40V
Current at Pmaxt (IMP) :	3.45A

Limits:

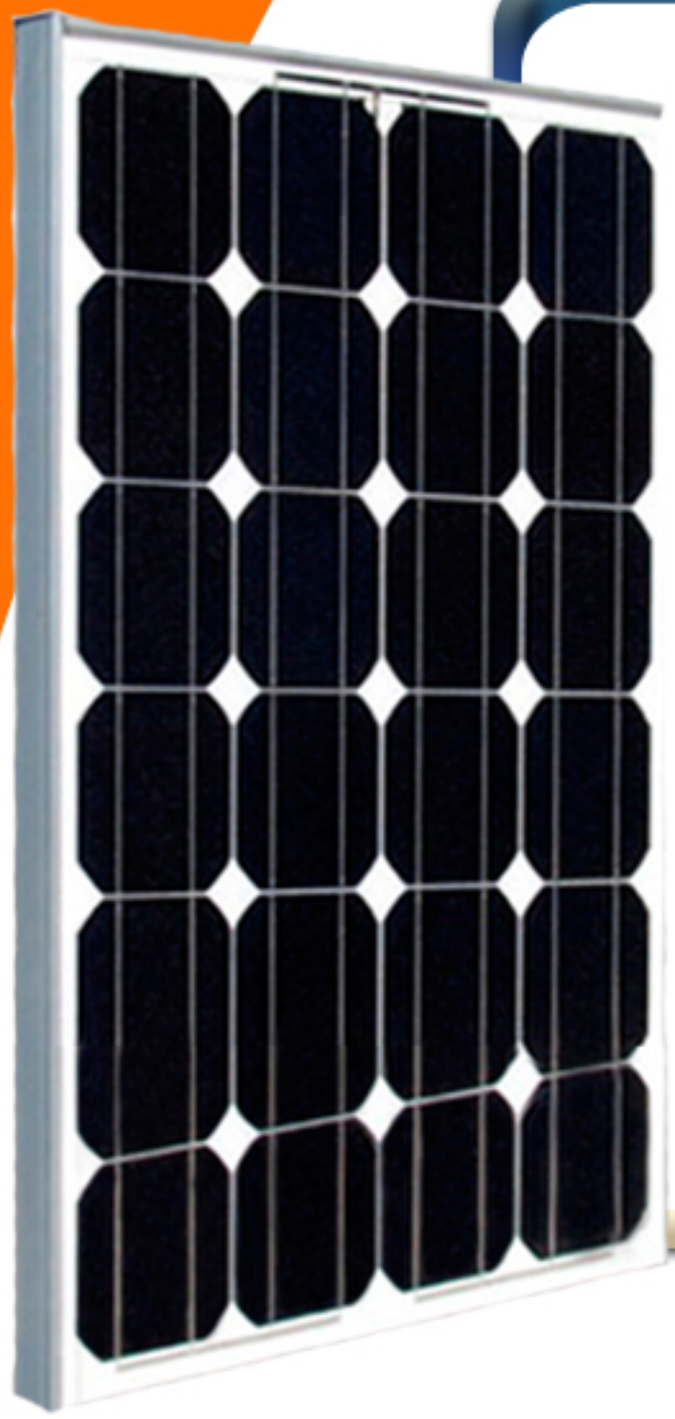
Maximum System Voltage:	700V
Operating Temperature:	-40~+85°C

Also Available in Polycrystalline!

SOLAR PANELS

BandaSolar.com

SOLAR PANELS



80watt Monocrystalline Panels

Specifications:

Cell Type:	Monocrystalline Silicon Solar Cell
No. of Cell:	18(3*6)
Dimension:	512*992*35mm
Weight:	6 Kg
Front glass:	3.2mm High Transmission, Tempered Glass
Frame:	Annodized Aluminum Alloy
Junction Box:	IP65 Rated
Output cables:	TUV 1x4mm2 at 900mm

Electrical Characteristics:

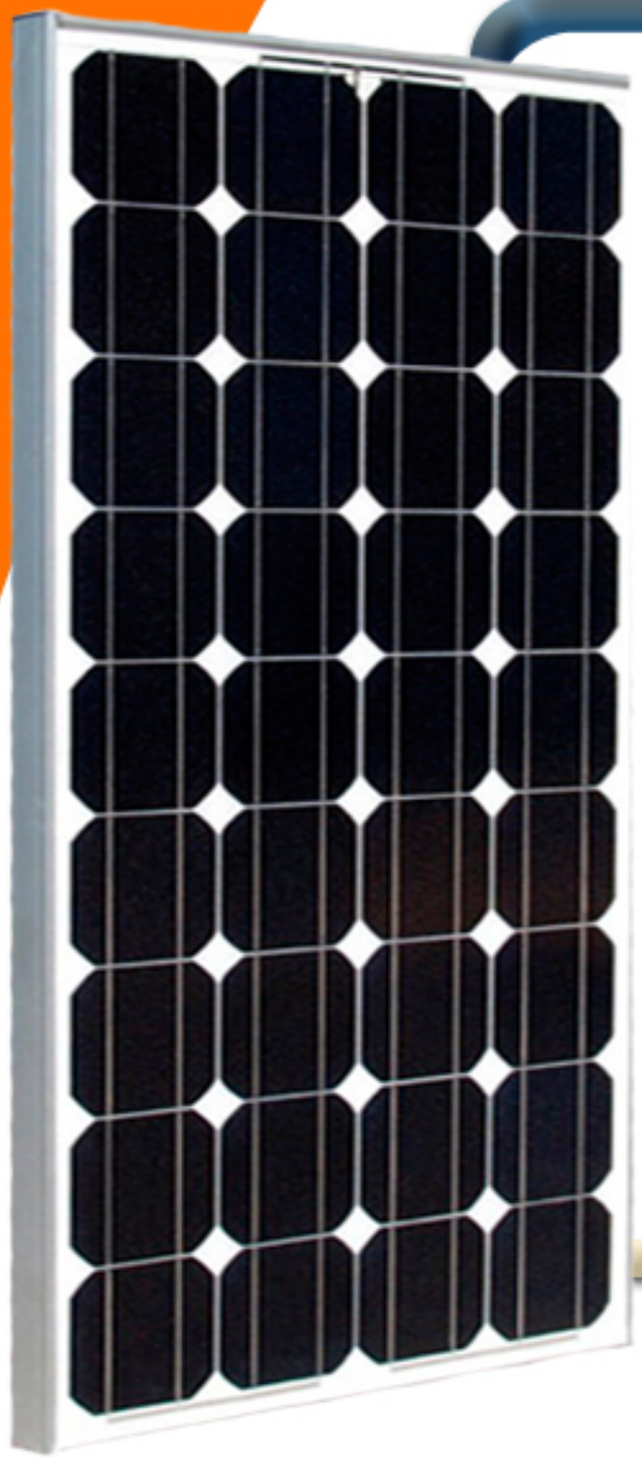
Maximum power at STC (PMAX):	80W
Open Circuit Voltage (VOC):	20.16V
Short Circuit Current Isc:	4.98A
Voltage at Pmaxt (VMP):	18.00V
Current at Pmaxt (IMP) :	4.45A

Limits:

Maximum System Voltage:	1000V
Operating Temperature:	-40~+85°C

Also Available in Polycrystalline!

SOLAR PANELS



100watt Monocrystalline Panels

Specifications:

Cell Type:	Monocrystalline Silicon Solar Cell
No. of Cell:	36(4*9)
Dimension:	540*1190*35mm
Weight:	8.2 Kg
Front glass:	3.2mm High Transmission, Tempered Glass
Frame:	Annodized Aluminum Alloy
Junction Box:	IP65 Rated
Output cables:	TUV 1x4mm2 at 900mm

Electrical Characteristics:

Maximum power at STC (PMAX):	100W
Open Circuit Voltage (VOC):	22.6V
Short Circuit Current Isc:	6.18A
Voltage at Pmaxt (VMP):	18.00V
Current at Pmaxt (IMP) :	5.55A

Limits:

Maximum System Voltage:	700V
Operating Temperature:	-40~+85°C

Also Available in Polycrystalline!

SOLAR PANELS

BandaSolar.com

SOLAR PANELS

120watt Monocrystalline Panels

Specifications:

Cell Type:	Monocrystalline Silicon Solar Cell
No. of Cell:	36(4*9)
Dimension:	670*1480*35mm
Weight:	12 Kg
Front glass:	3.2mm High Transmission, Tempered Glass
Frame:	Annodized Aluminum Alloy
Junction Box:	IP65 Rated
Output cables:	TUV 1x4mm2 at 900mm

Electrical Characteristics:

Maximum power at STC (PMAX):	120W
Open Circuit Voltage (VOC):	19.49V
Short Circuit Current Isc:	7.73A
Voltage at Pmaxt (VMP):	17.4V
Current at Pmaxt (IMP) :	6.9A

Limits:

Maximum System Voltage:	1000V
Operating Temperature:	-40~+85°C

Also Available in Polycrystalline!

SOLAR PANELS

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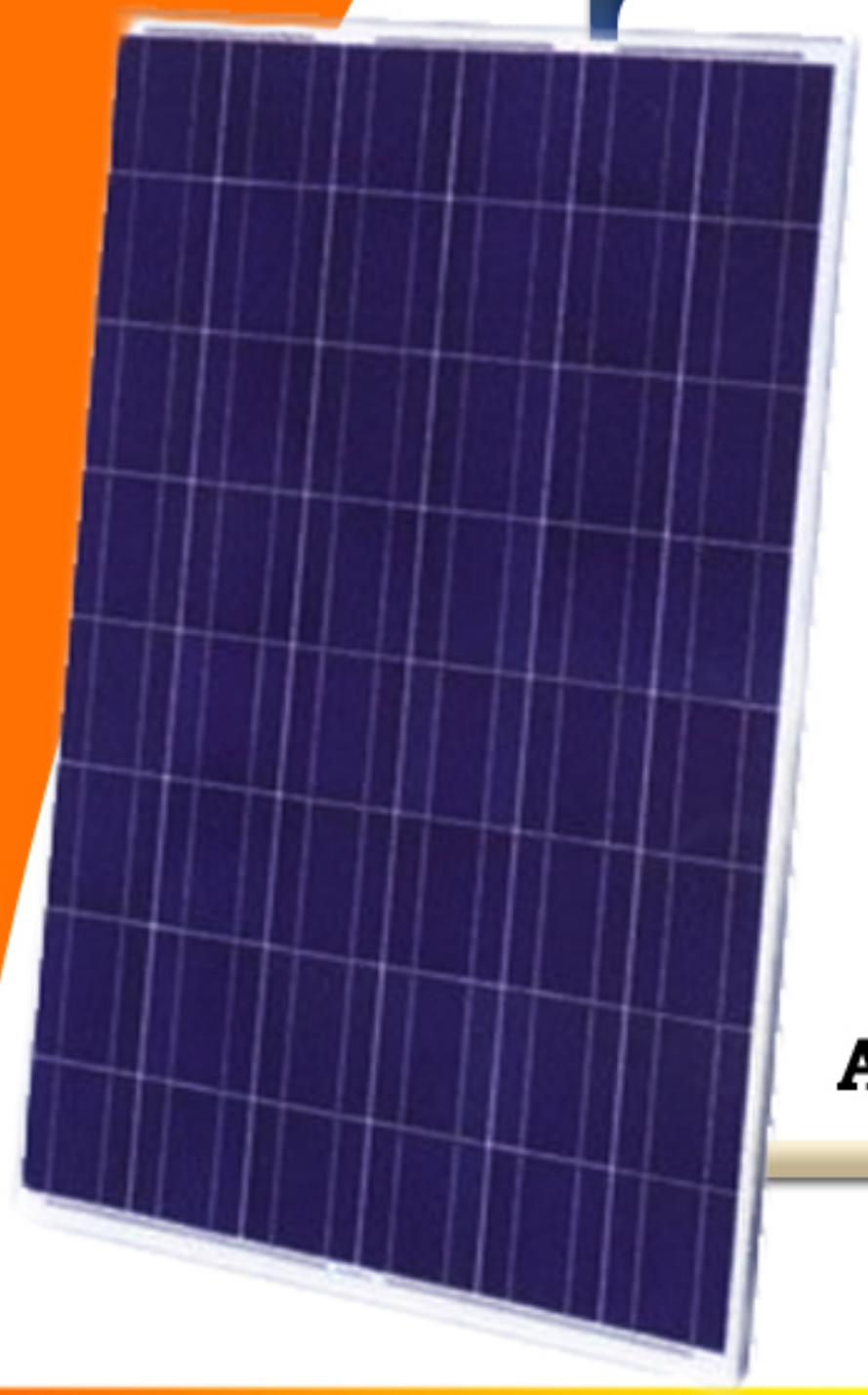
SOLAR PANELS



200watt Polycrystalline Panels

Specifications:

Cell Type:	Polycrystalline Silicon Solar Cell
No. of Cell:	48(6*8)
Dimension:	1324*992*45mm
Weight:	16.5 Kg
Front glass:	3.2mm High Transmission, Tempered Glass
Frame:	Annodized Aluminum Alloy
Junction Box:	IP65 Rated
Output cables:	TUV 1x4mm2 at 900mm

Electrical Characteristics:

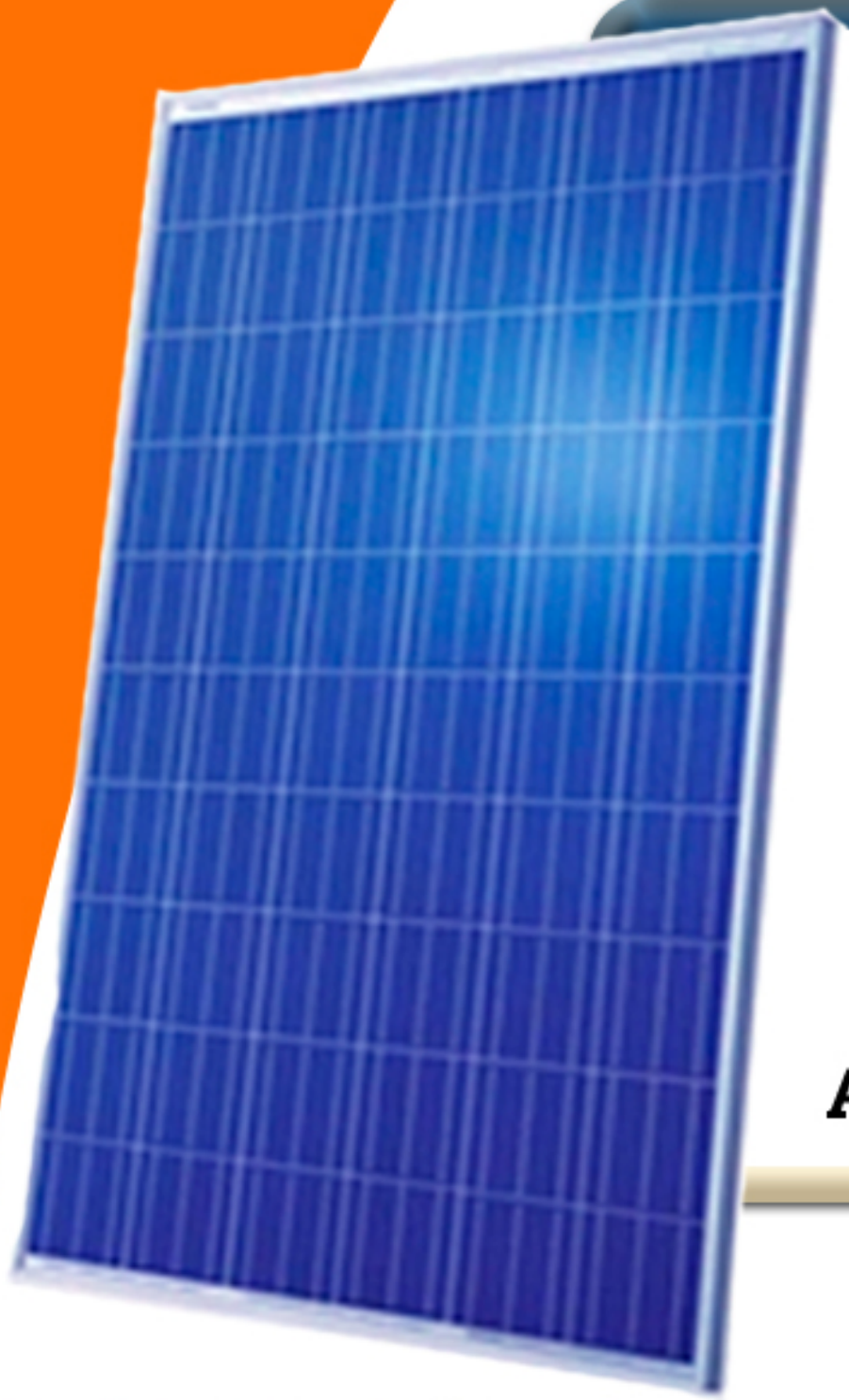
Maximum power at STC (PMAX):	200W
Open Circuit Voltage (VOC):	24.90V
Short Circuit Current Isc:	8.05A
Voltage at Pmaxt (VMP):	30.20V
Current at Pmaxt (IMP) :	8.79A

Limits:

Maximum System Voltage:	1000V
Operating Temperature:	-40~+85°C

Also Available in Monocrystalline!

SOLAR PANELS



250watt Polycrystalline Panels

Specifications:

Cell Type:	Polycrystalline Silicon Solar Cell
No. of Cell:	60(6*10)
Dimension:	1650*992*45mm
Weight:	18.5 Kg
Front glass:	3.2mm High Transmission, Tempered Glass
Frame:	Annodized Aluminum Alloy
Junction Box:	IP65 Rated
Output cables:	TUV 1x4mm2 at 900mm

Electrical Characteristics:

Maximum power at STC (PMAX):	250W
Open Circuit Voltage (VOC):	37.7V
Short Circuit Current Isc:	8.85A
Voltage at Pmaxt (VMP):	30.5V
Current at Pmaxt (IMP) :	8.17A

Limits:

Maximum System Voltage:	1000V (IEC)
Operating Temperature:	-40~+85°C

Also Available in Monocrystalline!

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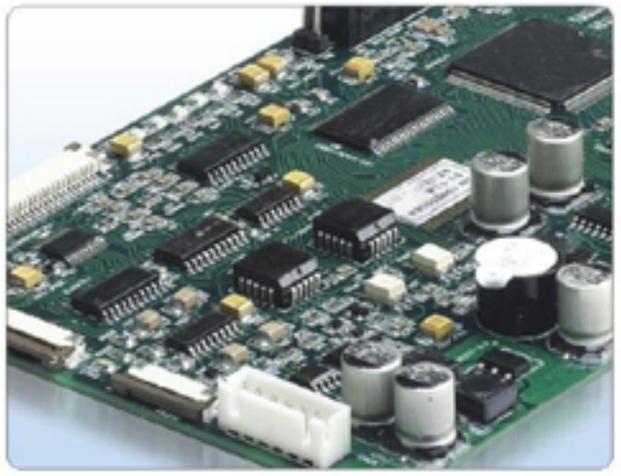
SOLAR PANELS

SMART GRID Inverters

Single phase on & off grid auto switch PV inverter (LOW VOLTAGE)

with MPPT Charge Controller Built in



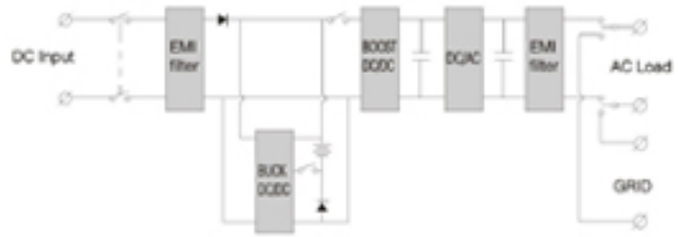
Overview

The unique technology of Smart Inverter succeeds in realizing the combination of Grid tie and Off Grid mode. This Inverter will supply power to the loads while charging the batteries and the excess power will feed in the grid. Whenever there is a fault in the grid, it will automatically switch to stand – alone mode. When this inverter is use in Off Grid applications, PV power is always preffered. If the Solar power is not enough, it will automatically use the batteries as power source.

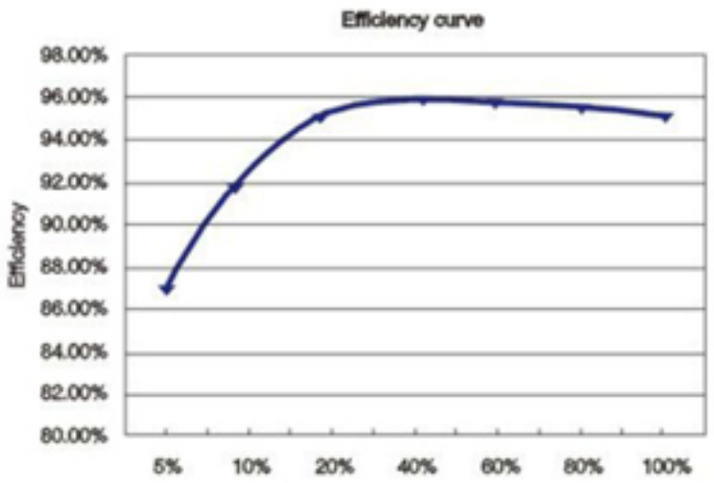
Features

- Max. afficiency 97.0%
- MPPT max. efficiency 99.0%
- Power factor 0.9999
- Active frequency offset Anti – islanding
- Large screen multi – language – LCD display
- Stack available
- Less standby power consumption
- Multi – protection for maximum safety
- Statistics for power production and CO2
- 8K x 4 RUN LOG cycle index
- RS485/232 compatible/WIFI
- Various Panel Types matched
- Soft or variable frequency start option
- Battery manage option
- Various battery types matched

Diagram



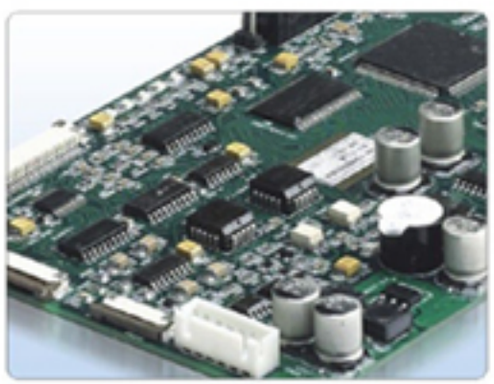
Efficiency Curve



SMART GRID Inverters

Single phase on & off grid auto switch PV inverter (LOW VOLTAGE)

with MPPT Charge Controller Built in



AC side	Sunstar-S1K	Sunstar-S1K5	Sunstar-S2k	Sunstar-S3K	Sunstar-S4k
Continuous output power at 40℃ (P nom)	1000W	1500W	2000W	3000W	4000W
AC output current	5.0A	7.5A	10.0A	15.0A	20.0A
AC output voltage(nominal)	220V AC+20%, 50/60Hz±1Hz, true sine wave<3% THD, single phase				
AC output range	176-264V AC (limited by local anti-islanding regulations)				
Standby losses	≤15W				
User interface	interactive LCD display with button operation				
Connectivity	Wireless RS232/458, TCP/IP				
Backup switch over time	<5 ms				
DC side					
Max. input	22.9A	34.4A	45.8A	45.8A	45.8A
Solar Voltage	48-75V DC	48-75V DC	48-75V DC	72-110V DC	96-150V DC
Solar Connections	MC4				
Max. Efficiency	97.00%				
Max. MPP Efficiency	99.00%				
Power factor	>0.99 (Rated power)				
Battery					
Charge voltage (V DC)	48	48	48	72	96
Battery types	Gel, AGM, LiFePO4				
Battery capacity	85-200Ah recommended				
Change curve	CC, CV, FC, 3-stage adaptive with maintenance				
Battery patrol management	for option				
Battery self-checking	for option				
Environmental					
Operating Temperature Range(full power)	-10℃ to +50℃(derating from 40℃)				
Storage Temperature	-40℃ to +70℃				
Humidity	maxinum 90%, non-condensing				
Warranty	Two years (optional: extension to ten years)				
General					
Protection Category	IP23				
Protection	over/under voltage, over/under frequency, anti-islanding, AC short circuit, Ground fault monitoring, DC reverse polarity, over load				
Topology	HF-CHAIN				
Cooling	Nature Cooling	Fan Cooling			

INVERTERS

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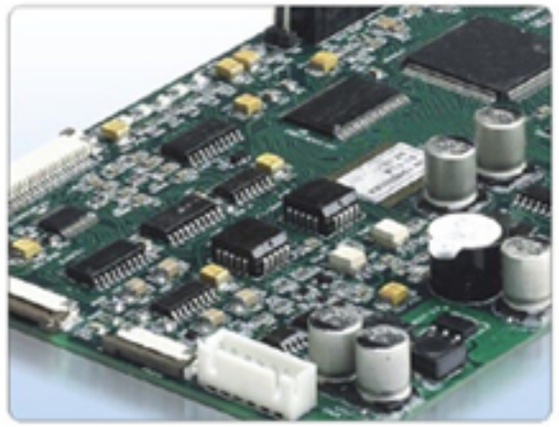
SMART GRID Inverters

Single phase on & off grid auto switch PV inverter (HIGH VOLTAGE)

with MPPT Charge Controller Built in



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- Battery manage option
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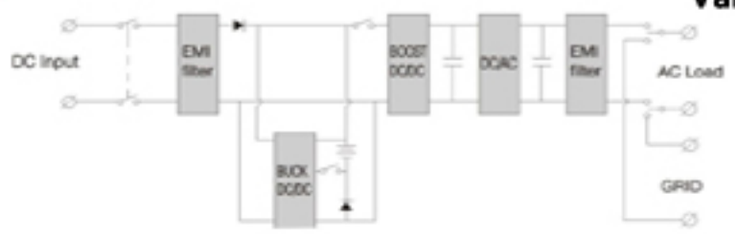
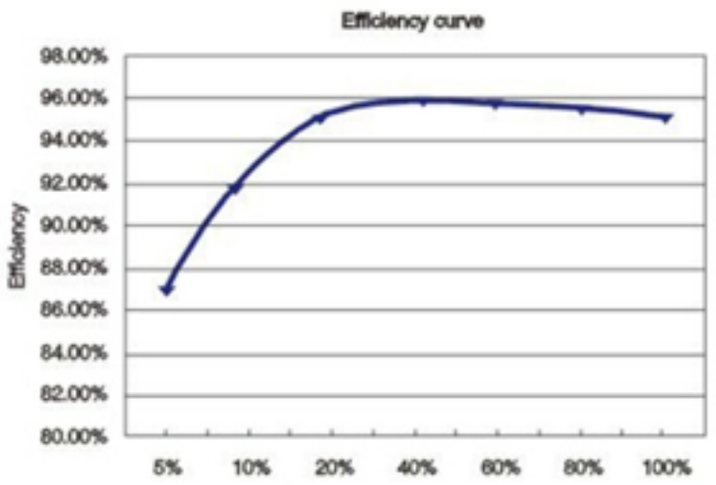
Diagram



Efficiency Curve



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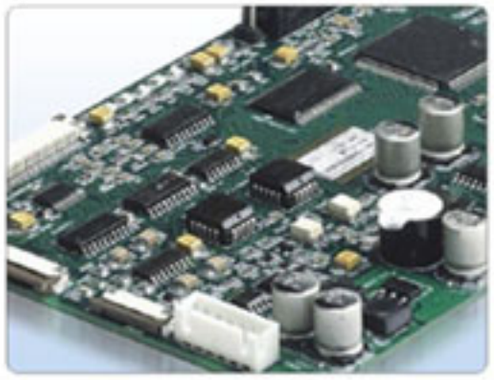
INVERTERS

SMART GRID Inverters

Single phase on & off grid auto switch PV inverter (HIGH VOLTAGE)

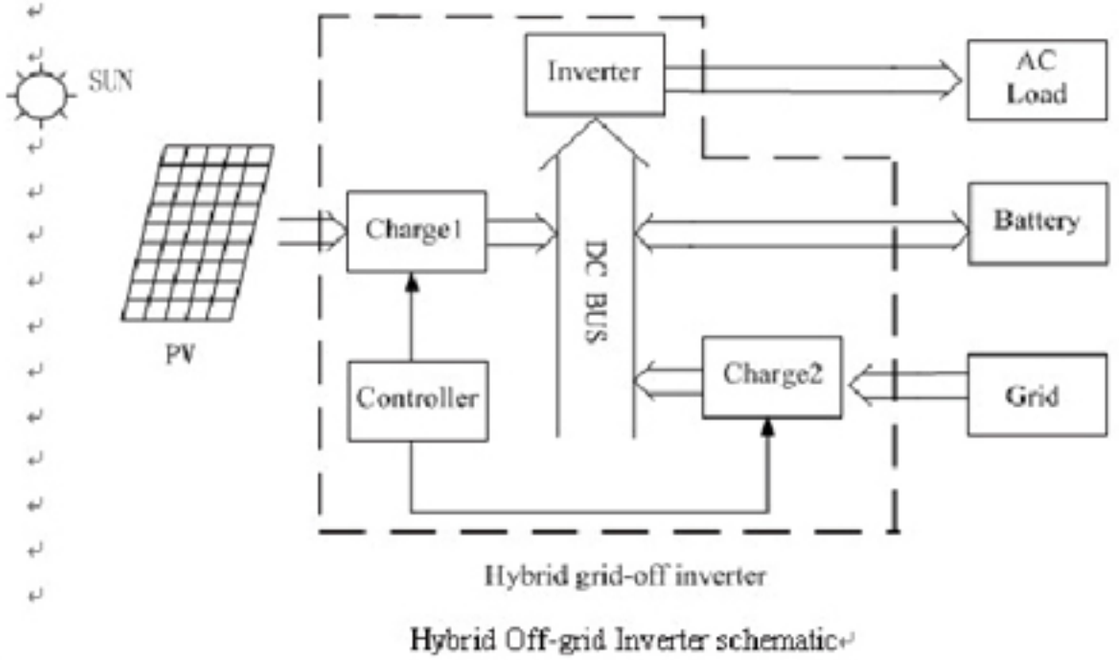
with MPPT Charge Controller Built in



AC side	SMS-2K/1S	SMS-3K/1S	SMS-5K/1S	SMS-7K/1S	SMS-10K/1S
Continuous output power at 40℃ (P nom)	2000W	3000W	5000W	7000W	10000W
AC output current	10.0A	15.0A	25.0A	35.0A	50.0A
AC output voltage(nominal)	220V AC±20%, 50/60Hz±1Hz, true sine wave<3% THD, single phase				
AC output range	176-264V AC (limited by local anti-islanding regulations)				
Standby losses	≤15W				
User interface	interactive LCD display with button operation				
Connectivity	Wireless RS232/458, TCP/IP				
Backup switch over time	≤5 ms				
DC side					
Max. input	12.2A	18.3A	30.6A	42.8A	45.8A
Solar Voltage	180-360V DC				240-360V DC
Solar Connections	MC4				
Max. Efficiency	97.00%				
Max. MPP Efficiency	99.00%				
Power factor	>0.99 (Rated power)				
Battery					
Charge voltage (V DC)	168	168	192	192	216
Battery types	Gel, AGM, LiFePO4				
Battery capacity	85-200Ah recommended				
Change curve	CC, CV, FC, 3-stage adaptive with maintenance				
Battery patrol management	for option				
Battery self-checking	for option				
Environmental					
Operating Temperature Range(full power)	-10℃ to +50℃ (derating from 40℃)				
Storage Temperature	-40℃ to +70℃				
Humidity	maximum 90%, non-condensing				
Warranty	five years (optional: extension to ten years)				
General					
Protection Category	IP65				
Protection	over/under voltage, over/under frequency, anti-islanding, AC short circuit, Ground fault monitoring, DC reverse polarity, over load				
Topology	HF-CHAIN				
Cooling	Nature Cooling		Fan Cooling		

OFF GRID Inverters

with MPPT Solar Controller



Hybrid grid-off inverter

Hybrid Off-grid Inverter schematic

Overview

This inverter has bypass solution between the Grid Power Supply and battery bank charged by hybrid solutions like PV.The inverter houses both the solar charge controller and battery charger function along with an ATS (Automatic Transfer Switch) function from the Solar Power to the Main Grid Power. It is applying the automatic CPU control, and the energy saving function as a common unit. When the energy produced from the Solar Panel is not enough, the inverter will change to the Grid Power and continue to supply the power to AC Equipment and charge the battery at the same time, the customer can use the power without any interruptions.

Features

-Independent technology MPPT Control algorithm
-Modular design, high power density
-High frequency isolation method
-High conversion efficiency
-Low temparature rise, low noise
-With independent patent technology to run and control automatically
-Complete system protection mechanism
-High reliability
-Intelligent air cooling design
-User friendly man-machine interface, easy to operate
-Wide array input voltage range and power input voltage range

OFF GRID Inverters

with MPPT Solar Controller

	INVP MPPT 1K24V	INVP MPPT 2K48V	INVP MPPT 3K48V	INVP MPPT 5K48V
Related Capacity	1	2	3	5
Battery rated voltage (V)	24	48	48	48
PV INPUT				
PV maximum input open voltage (V)	225	225	225	225
MPPT Voltage range (V)	100	150	150	150
GRID INPUT				
Voltage range (VAC)	110/220 ± 15%			
Frequency (Hz)	50/60			
Rated Charge Current (A)	30	30	30	30
OUTPUT				
Rated Outpt Voltage (V)	110 / 220 ± 15%			
Rated Output Frequency (Hz)	50 / 60 ± 1%			
Rated Output Current (A)	5.5	9.1	13.6	22.7
Output Power Factor	≥ 0.8			
THD	< 3%			
Output Wave	Sine Wave			
Output Phase	Single Phase			
Peak Factor	3:01			
OTHERS				
PV Charge Current	2*20A	2*20A	2*30A	2*50A
Efficiency	≥8.5%			
Dynamic Response	5% (load from 0 to 100%)			
Noise level	≤ 40dB (1m distance)			
Display Interface	LCD			
Communication Interface	RS485			
Environmental temperature	-30 - + 55			
Environmental Humidity	10% - 90% (Non Condensing)			
Protection Level	IP21			
Protection Function	Array/ over voltage, over current,short circuit, reverse connection, etc protection function			
Altitude (m)	≤ 2000 (Above 1000m need according GB/T3859.2 to derate operating			
Dimensions (mm)	420*640*210 (W*H*D)	420*640*210 (W*H*D)	420*640*210 (W*H*D)	420*640*210 (W*H*D)
Weight (kg)	20	25	25	30

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OFF GRID Inverters

with PWM Solar Controller

Overview

The biggest feature of this inverter is with the bypass solution between the Grid power supply and batery bank charged by hybrid solutions like PV. When the energy produced from the solar Panel is not enough, the Inverter will change to the Grid Power and continue to supply the power to AC Equipment and charge the battery at the same time, the customer can use the power without any interruption. It has the solar charger controller and battery charger function.

Features

- High efficiency energy saving
- Low self - consumption below 1.2A
- Pure sine wave
- Extreme overload capacity and super load capacity
- DC reverse polarity protection
- CPU Technology control
- Big charging current up to 70 Amp.
- Intelligent LED Display
- Automatically switch between the grid and inverter mode
- It can work with the generator
- Intelligent fan control mode
- With the AVR function

OFF GRID Inverters
with PWM Solar Controller

	INVP PWM 500W	INVP PWM 800W	INVP PWM 1000W	INVP MPPT 1500W	INVP PWM 2000W	INVP PWM 3000W	INVP PWM 5000W
AC Output Load							
Nominal AC Voltage	220V / 200-240V	220V / 200-240V	220V / 200-240V	220V / 200-240V	220V / 200-240V	220V / 200-240V	220V / 200-240V
Optional 220V / 120V	120V / 105-132V	120V / 105-132V	120V / 105-132V	120V / 105-132V	120V / 105-132V	120V / 105-132V	120V / 105-132V
Nominal AC Frequency	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz
Continuous AC power for 3 hours 25°C	500W	800W	1050W	1500W	2100W	3000W	4200W
Continuous AC power for 25°C	500W	800W	1000W	1500W	2000W	3000W	4000W
Nominal AC current /	2.28A / 6.81A 1ms	3.63A / 10.9A 1ms	4.55A / 13.63A 1ms	6.85A / 20.45A 1ms	9.10A / 27.28A 1ms	13.64A / 40.91A 1ms	18.55A / 54.63 1ms
max current AC current (peak)	4.15A / 12.5A 1ms	6.66A / 20A 1ms	8.43A / 24.9A 1ms	12.50A / 37.55A 1ms	16.67A / 50A 1ms	25.0A / 75.0A 1ms	33.33A / 99.99A 1ms
THD output voltage	≤ 3 %	≤ 3 %	≤ 3 %	≤ 3 %	≤ 3 %	≤ 3 %	≤ 3 %
Power Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AC Input (generator or grid)							
AC Input Voltage	220V / 165-270V	220V / 165-270V	220V / 165-270V	220V / 165-270V	220V / 165-270V	220V / 165-270V	220V / 165-270V
AC input Range	120V / 105-132V	120V / 105-132V	120V / 105-132V	120V / 105-132V	120V / 105-132V	120V / 105-132V	120V / 105-132V
AC Input Frequency	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz
Solar charge Controller							
Rated Power	480W	720W	720W	1440W	1920W	2880W	2880W
PV Charge Voltage	24V	24V	24V	24V	48V	48V	48V
PV Charge Current	20A	30A	30A	60A	40A	60A	60A
Battery DC Input							
Battery Voltage	12V	12V	12V	12V	12V	12V	12V
Battery Range	10-16V	10-16V	10-16V	10-16V	10-16V	10-16V	10-16V
Optional	24V / 20-32V	24V / 20-32V	24V / 20-32V	24V / 20-32V	24V / 20-32V	24V / 20-32V	24V / 20-32V
	48V / 40-64V	48V / 40-64V	48V / 40-64V	48V / 40-64V	48V / 40-64V	48V / 40-64V	48V / 40-64V
Max battery charging current	30A	30A	30A	30A	30A	30A	30A
Continuous Charging current at 25 °C	10-30A	10-30A	10-30A	10-30A	10-30A	10-30A	10-30A
Battery Type	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid	Lead Acid
Battery Capacity	100 - 1000Ah	100 - 1000Ah	100 - 1000Ah	100 - 1000Ah	100 - 1000Ah	100 - 1000Ah	100 - 1000Ah
Charge Control Mode	3 Stage	3 Stage	3 Stage	3 Stage	3 Stage	3 Stage	3 Stage
Efficiency / Self Consumption							
Max Effeciency	>90%	>90%	>90%	>90%	>90%	>90%	>90%
Full intellective Protection							
Transfer Time	≤ 4ms	≤ 4ms	≤ 4ms	≤ 4ms	≤ 4ms	≤ 4ms	≤ 4ms
Dimension (LxWxH)	350*160*290mm	350*160*290mm	350*160*290mm	350*160*290mm	440*305*200mm	440*305*200mm	440*305*200mm
Net Weight kg	15kg	17kg	19kg	25kg	27kg	37kg	39kg
Operating Temperature Range	20°C - 45°C	20°C - 40°C	20°C - 45°C	20°C - 45°C	20°C - 40°C	0% - 95%	0% - 95%
Degree of Protection	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Noise emission typical	≤ 30dB (1m)	≤ 30dB (1m)	≤ 30dB (1m)	≤ 30dB (1m)	≤ 30dB (1m)	≤ 30dB (1m)	≤ 30dB (1m)
Permissible value for relative humidit	0% - 95%	0% - 95%	0% - 95%	0% - 95%	0% - 95%	0% - 95%	0% - 95%
Accessories							
DC terminal	Anderson Connector						
AC terminal	Europe Terminal						
Certificate	CE / ISO9001						

INVERTERS

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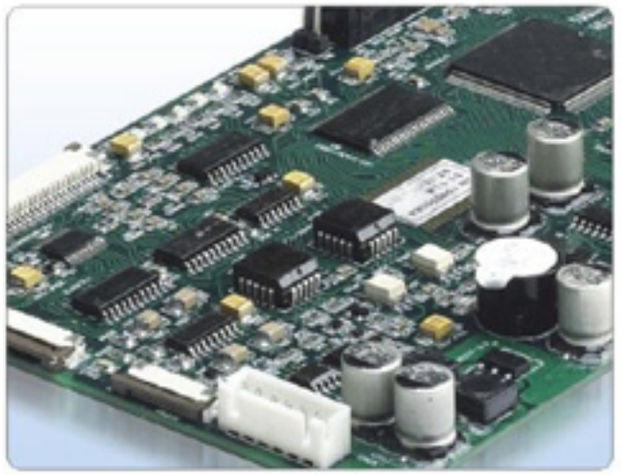
GRID TIE Inverters

Single phase grid tie PV inverter

with MPPT Charge Controller Built in



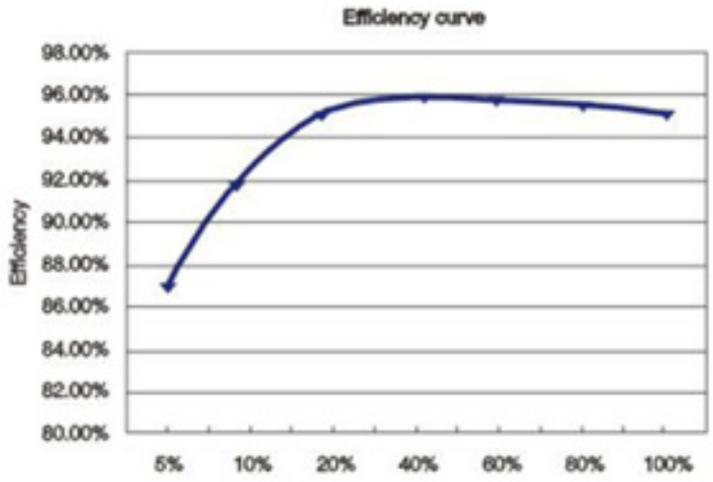
Overview

Grid-tie inverter converts direct current (DC) electricity into alternating current (AC) with an ability to synchronize to interface with a utility line.

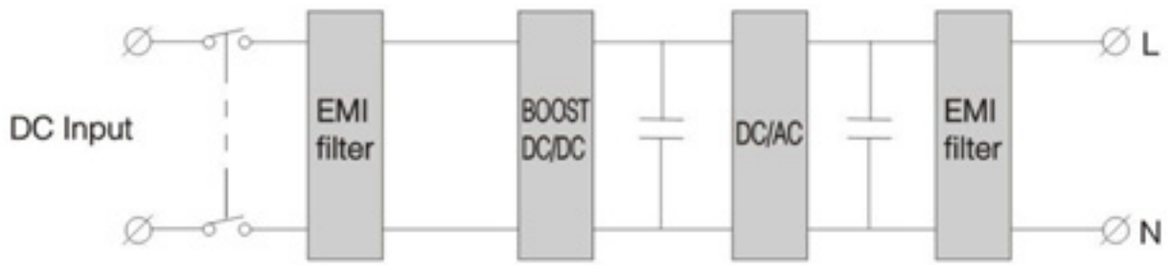
Features

- Max. afficiency 97.0%
- MPPT max. efficiency 99.0%
- Power factor 0.9999
- Active frequency offset Anti - islanding
- Large screen multi - language - LCD display
- Stack available
- Less standby power consumption
- Multi - protection for maximum safety
- Statistics for power production and CO2
- 8K x 4 RUN LOG cycle index
- RS485/232 compatible/WIFI
- Various Panel Types matched

Efficiency Curve



Diagram



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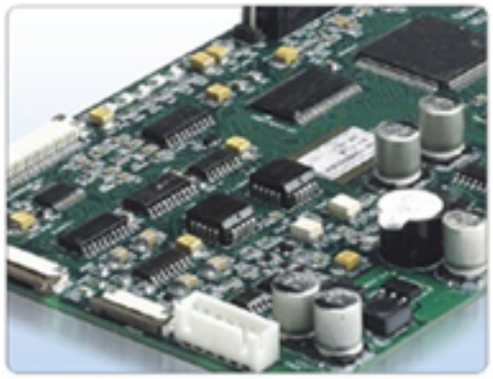
Single phase grid tie PV inverter



AC side	SF-9K/2S	SF-10K/2S	SF-15K/2S	SF-17K/2S	SF-20K/2S
Continuous output power at 40℃(P nom)	9000W	10000W	15000W	17000W	20000W
AC output current	45.0A	50.0A	75.0A	85.0A	100.0A
AC output voltage(nominal)	220Vac±20%,50/60Hz±1Hz, true sine wave<3% THD, single phase				
AC output range	176-264V AC (limited by local anti-islanding regulations)				
Standby losses	≤15W				
User interface	interactive LCD display with button operation				
Connectivity	Wireless RS232/458, TCP/IP				
Backup switch over time	<5 ms				
DC side					
Max. input	41.3A	45.8A	68.8A	72.0A	84.6A
Solar Voltage	240-360V DC			260-360V DC	
Solar Connections	MC4				
Max. Efficiency	97.00%				
Max. MPP Efficiency	99.00%				
Power factor	> 0.99 (Rated power)				
Environmental					
Operating Temperature Range(full power)	-25℃ to +50℃				
Storage Temperature	-40℃ to +70℃				
Humidity	maximum 90%, non-condensing				
Warranty	Two years (optional: extension to ten years)				
General					
Protection Category	IP23				
Protection	over/under voltage, over/under frequency, anti-islanding, AC short circuit, Ground fault monitoring, DC reverse polarity, over load				
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INVERTERS

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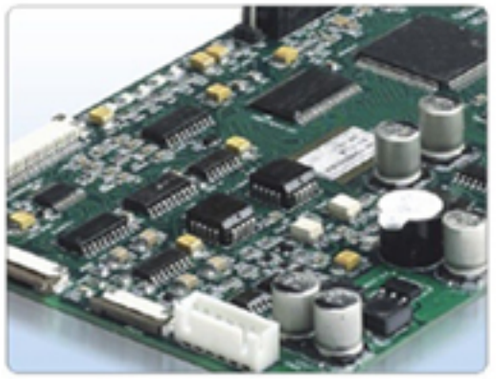
GRID TIE Inverters

Single phase grid tie PV inverter



AC side	SM-1K/1S	SM-2K/1S	SM-3K/1S	SM-5K/1S	SM-7K/1S
Continuous output power at 40℃(P nom)	1000W	2000W	3000W	5000W	7000W
AC output current	5.0A	10.0A	15.0A	25.0A	35.0A
AC output voltage(nominal)	220Vac±20%,50/60Hz±1Hz, true sine wave<3% THD, single phase				
AC output range	176-264V AC (limited by local anti-islanding regulations)				
Standby losses	≤15W				
User interface	interactive LCD display with button operation				
Connectivity	Wireless RS232/458, TCP/IP				
Backup switch over time	<5 ms				
DC side					
Max. input	6.1A	12.2A	18.3A	30.6A	42.8A
Solar Voltage	180-360V DC				
Solar Connections	MC4				
Max. Efficiency	97.00%				
Max. MPP Efficiency	99.00%				
Power factor	> 0.99 (Rated power)				
Environmental					
Operating Temperature Range(full power)	-25℃ to +50℃				
Storage Temperature	-40℃ to +70℃				
Humidity	maximum 90%, non-condensing				
Warranty	five years (optional: extension to ten years)				
General					
Protection Category	IP65				
Protection	over/under voltage, over/under frequency, anti-islanding, AC short circuit, Ground fault monitoring, DC reverse polarity, over load				
Topology	HF-CHAIN				
Cooling	Nature Cooling	Fan Cooling			

SOLAR CHARGE CONTROLER

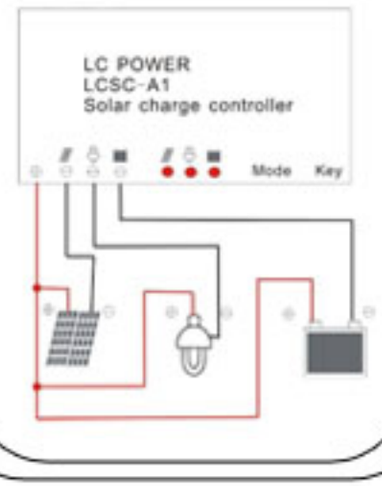
Intelligent Solar Charger + Built-in Timer

10A Solar Charge Controller

Max. **charge**/load current	10A	20A
Float Charge	13.8V/27.6V(25℃)	
Main Charge	14.4/28.8 V (25 °C), 30 min. (daily)	
Boost **charge**	14.4/28.8 V (25℃), 2 h Activation: battery voltage < 12V/24V	
Deep d**is**charge protection:Cut-off voltage	11V/22V	
Deep d**is**charge protection:Reconnect voltage	12V/24V	
Overvoltage protection	16V/32V	
Max. panel voltage	55V	
Temperature compensation	-4mV/℃·2V	
Max. own consumption	5 ~ 10mA	
Night/day detection delay time	3min	
Overload **and** short-circuit protection	Overload: >1.2 times rated current **and** last 20 seconds; >1.5 times rated current **and** last 3 seconds; Short-circuit: >2.5 times rated current	
Grounding	Positive grounding possible	
Working temperature	-40 ~ +55℃	
Maximum above sea level	4,000 m above sea level	
Type of protection	IP68 (1.5 m, 72 h)	
Product size	82*59*20 mm	
Package size	110*87*32mm	150*87*32mm
Weight	140g	
System voltage	12/24 V auto recognition	

20A Solar Charge Controller

Wiring Diagram



Features

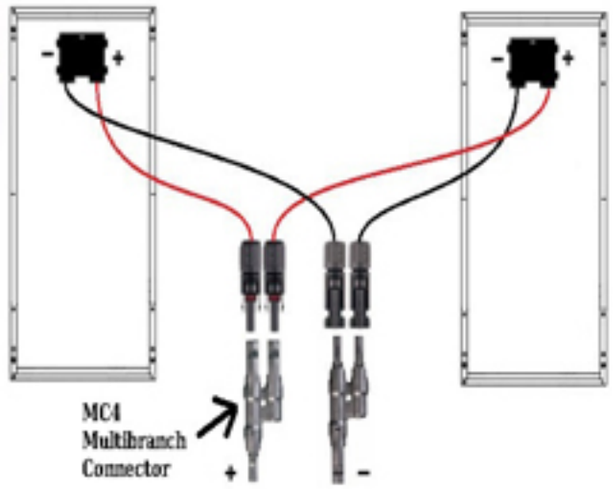
- Positive grounding;
- Automatic recognition of system voltage 12/24 V;
- External temperature sensor
- Improved 4 stage charging
- Multi optional output mode
- With electricity protection data-saving function;
- Perfect protections on reverse polarity
- Protection degree: IP68,
  in 1.5 m water depth 72 Hours;
- Widely programmable;

CONTROLLER

BandaSolar.com

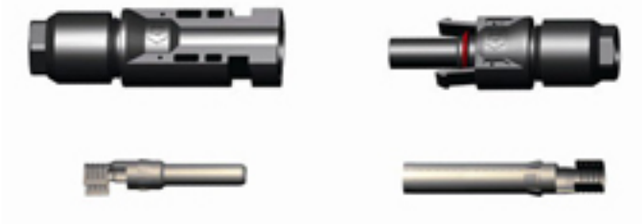
MC4 Connectors

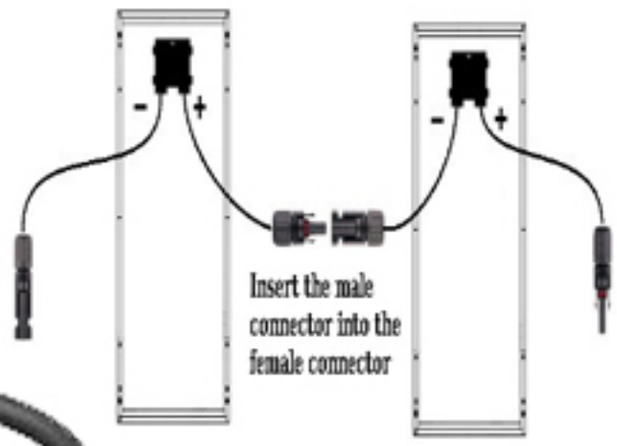
Parallel Connection



Rated for 30 amps max
(the connector itself, not the wire)
Rated for 1,000 volts max
Rated temperature range:
-40 degrees C to +90 degrees C (-40 F to 194 F)

Series Connection





CN40-CM Male

CN40-CM Female

Connectors

BandaSolar.com

COMBINER BOX

4 Stringed Combiner Box

Max No. of String: 4
Max current of ea String: 10/20A
Size: W: 350mm H: 300mm
Weight: 9kg

10 Stringed Combiner Box

Max No. of String: 10
Max current of ea String: 10/20A
Size: W: 500mm H: 400mm
Weight: 16kg

6 Stringed Combiner Box

Max No. of String: 6
Max current of ea String: 10/20A
Size: W: 350mm H: 300mm
Weight: 12kg

12 Stringed Combiner Box

Max No. of String: 12
Max current of ea String: 10/20A
Size: W: 600mm H: 500mm
Weight: 23kg

8 Stringed Combiner Box

Max No. of String: 8
Max current of ea String: 10/20A
Size: W: 500mm H: 400mm
Weight: 14kg

16 Stringed Combiner Box

Max No. of String: 16
Max current of ea String: 10/20A
Size: W: 600mm H: 500mm
Weight: 29kg

FEATURES:

-Applicable for outdoor PV systems

-Wide DC voltage input range with maximum open circuit voltage up to 1000 volts

-With PV dedicated DC fuses with maximum voltage not less than 1000V

-Waterproof terminals

-Monitoring feature optional for each string of PV array

-With PV dedicated high voltage lighting protection device

COMBINER BOX

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Distribution Box

Overview

It contains a DC distribution unit and an AC distribution unit. The DC distribution unit collects the DC current from PV arrays and feed into the inverter and it contains DC input circuit breakers, Anti-pole diodes, PV lighting protection device. The AC distribution unit is mainly served for providing interface to the inverter to get connection to the utility power network-side circuit breaker, lighting protectiondevices, metering meters and grid connection ports.

Features

- **Applicable for outdoor PV systems**
- **6/16 PV string inputs with maximum string current at 10A**
- **Wide DC voltage input range with maximum open circuit voltage upto 900V**
- **Monitoring feature optional for each string of PV array**
- **Waterproof Terminals**
- **Both +ve & -ve poles equiped with a 4 - pole circuit breaker with the allowable DC Voltage not less than 1000V**
- **With PV dedicated high voltage lighting protection device**

DISTRIBUTION BOX

AGM Paste Batteries

Valve-regulated Lead Acid Battery

FEATURES:

- Spill proof through acid encapsulation in matting technology high specific power.
-Low internal resistance.
-Responsive to load upto 5 times faster charge than with flooded technology.
-Better cycle life than with flooded systems.
-Water retention (OXYGEN and HYDROGEN combined, to produce WATER).
-Vibration resistance due to sandwich construction.
-Stands up well to cold temperature.

Absorbent Glass Mat (AGM) is a class of Led-acid battery in which the electrolyte is absorbed into fiberglass mat. The plates in an AGM battery may be flat like wet cell lead - acid battery, or they may be wound in tight spiral.

The internal resistance oa AGM batteries is lower than traditional cells, they can handle higher temperatures and self discharge more slowly.

Life Expectancy:
8 - 10 Years

Available in different Sizes:
from 5Ah up to 200Ah

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BATTERIES

Crimping Tools

solar cable stripper/cutter

solar cable crimper

Solar Crimping Tools /Solar PV Tool Kits

MC3/MC4 with Crimping/Cutting/Stripping function

SOLAR CRIMPING TOOL

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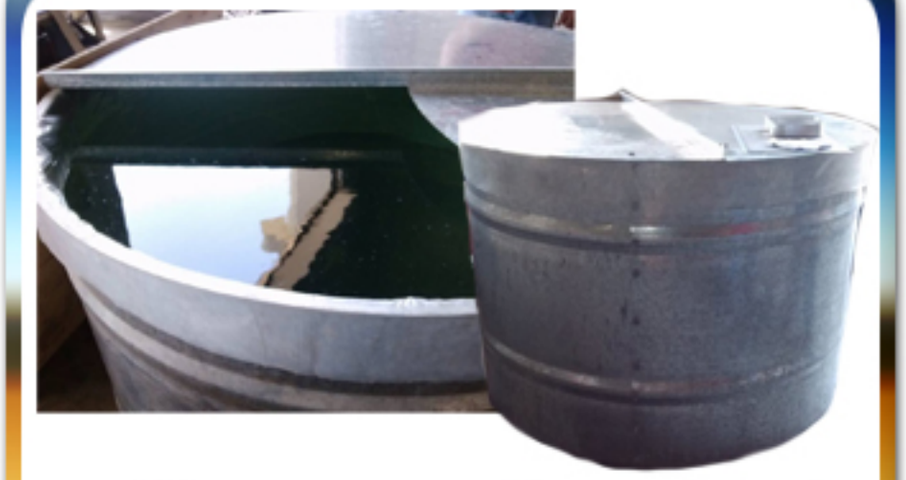
Portable Water Tanks

Suitable for Solar Water Pumps

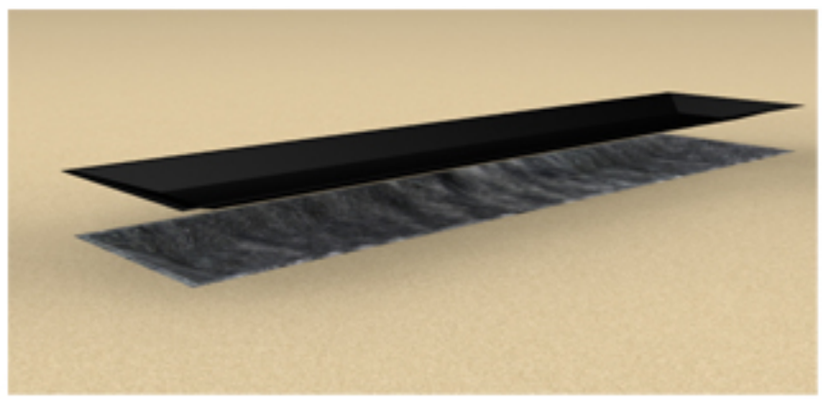
1cubic meter Portable Water Tank



1 cubic meter Portable Steel Tank

Large Portable Water Tank

Fish Pond liner



All Available in different sizes

WATER STORAGE

BandaSolar.com

COB LED Street Lights

15w COB LED Street Light

Input Voltage: 85-265Vac 60Hz
Lumen: 1,800 - 1,910lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

20w COB LED Street Light

Input Voltage: 85-265Vac 60Hz
Lumen: 2,420 - 2,510lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

30w COB LED Street Light

Input Voltage: 85-265Vac 60Hz
Lumen: 3,623 - 3,803lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

60w COB LED Street Light

Input Voltage: 85-265Vac 60Hz
Lumen: 5,800 - 6,500lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

80w COB LED Street Light

Input Voltage: 85-265Vac 60Hz
Lumen: 9,600 - 10,400lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

90w COB LED Street Light

Input Voltage: 85-265Vac 60Hz
Lumen: 10,400 - 11,200lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

120w COB LED Street Light

Input Voltage: 85-265Vac 60Hz
Lumen: 14,490 - 15,400lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

Available in a wide range of Light Output!

HPS / Metal Halide	Suggested LED Replacement
100W	28W
150W	56W
250W	84W
400W	110W – 140W
600W	220W
1000W	250W

Body Material:
Aluminum Die Cast
+ Tempered Glass

Also Available in 12V!

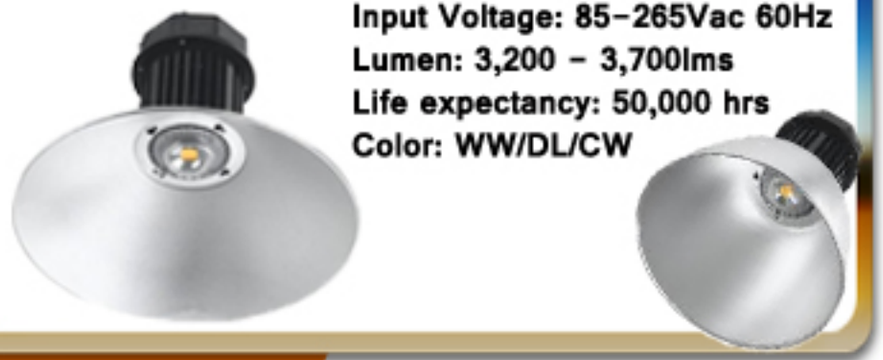
Latest Chip on Board Technology

INDUSTRIAL LIGHTS

BandaSolar.com

COB LED High Bay Lights

30w COB LED High Bay Light

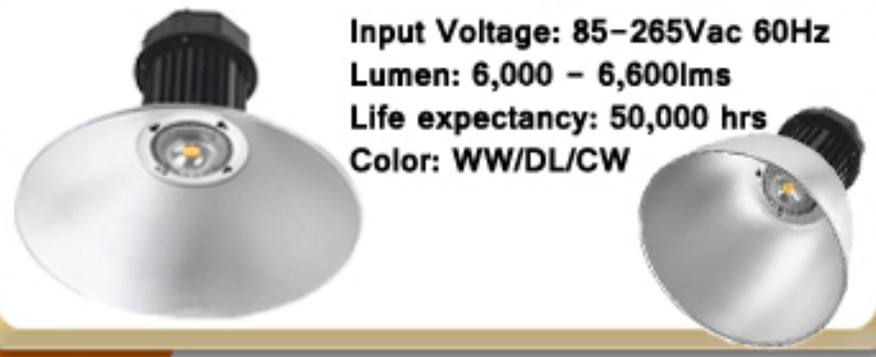


Input Voltage: 85-265Vac 60Hz
Lumen: 3,200 - 3,700lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

100w COB LED High Bay Light

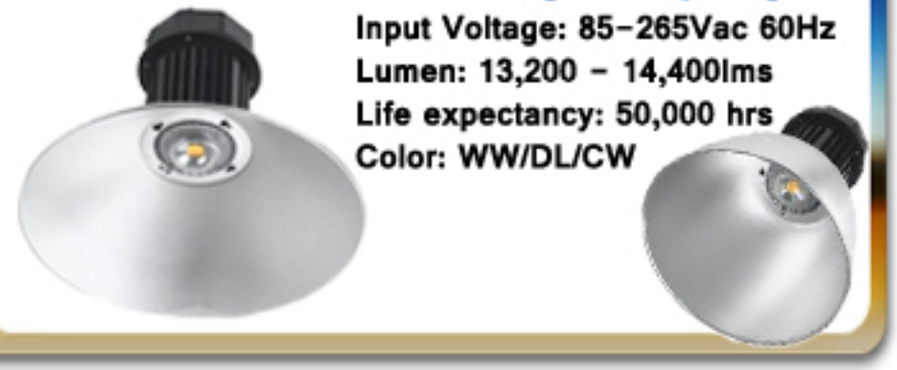
Input Voltage: 85-265Vac 60Hz
Lumen: 12,100 - 12,800lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

60w COB LED High Bay Light



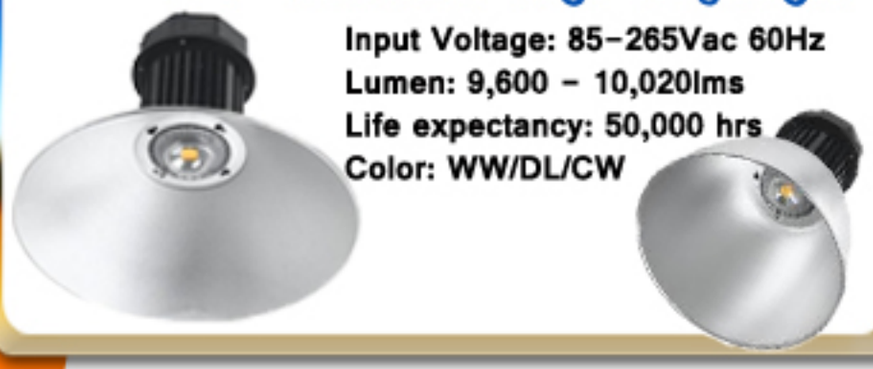
Input Voltage: 85-265Vac 60Hz
Lumen: 6,000 - 6,600lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

120w COB LED High Bay Light



Input Voltage: 85-265Vac 60Hz
Lumen: 13,200 - 14,400lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

80w COB LED High Bay Light



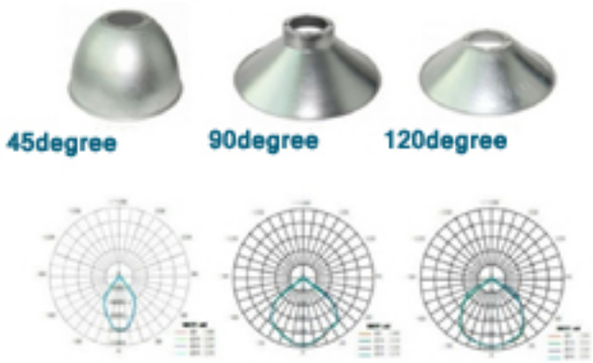
Input Voltage: 85-265Vac 60Hz
Lumen: 9,600 - 10,020lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

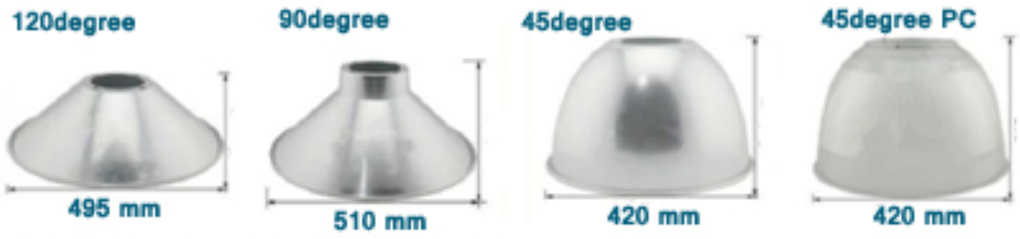
Available in a wide range of Light Output!

HPS / Metal Halide	Suggested LED Replacement
100W	28W
150W	56W
250W	84W
400W	110W – 140W
600W	220W
1000W	250W

Body Material:
Aluminum Die Cast
+
Tempered Glass

Spectrogram





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INDUSTRIAL LIGHTS

COB LED Flood Lights

10w COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 1,100 - 1,200lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

20w COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 2,200 - 2,400lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

30w COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 3,000 - 3,900lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

60w COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 6,600 - 7,600lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

80w COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 8,800 - 9,600lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

90w COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 10,020 - 11,050lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

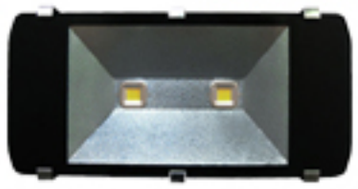
100w COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 11,000 - 12,000lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

120w COB LED Flood Light

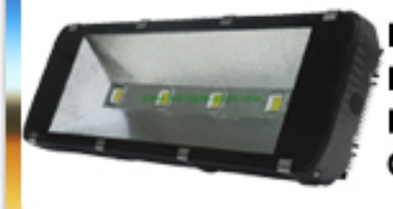
Input Voltage: 85-265Vac 60Hz
Lumen: 13,200 - 14,400lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

160w COB LED Flood Light



Input Voltage: 85-265Vac 60Hz
Lumen: 19,380 - 20,110lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

250w COB LED Flood Light



Input Voltage: 85-265Vac 60Hz
Lumen: 11,000 - 12,000lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

Available in a wide range of Light Output!

HPS / Metal Halide	Suggested LED Replacement
100W	28W
150W	56W
250W	84W
400W	110W – 140W
600W	220W
1000W	250W

Body Material:
Aluminum Die Cast

Also Available in 12V!

INDUSTRIAL LIGHTS

BandaSolar.com

RGB COB LED Flood Lights

Available in a wide range of Light Output!

10W RGB COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 1,100 - 1,200lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

20W RGB COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 2,200 - 2,400lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

30W RGB COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 3,000 - 3,900lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

50W RGB COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 6,600 - 7,600lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

60W RGB COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 10,020 - 11,050lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

80W RGB COB LED Flood Light

Input Voltage: 85-265Vac 60Hz
Lumen: 8,800 - 9,600lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

100W RGB COB LED Flood Light

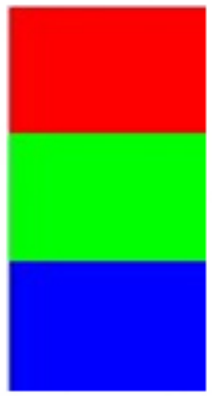
Input Voltage: 85-265Vac 60Hz
Lumen: 11,000 - 12,000lms
Life expectancy: 50,000 hrs
Color: WW/DL/CW

HPS / Metal Halide	Suggested LED Replacement
100W	28W
150W	56W
250W	84W
400W	110W – 140W
600W	220W
1000W	250W

Body Material:
Aluminum Die Cast

Also Available in 12V!

RGB



INDUSTRIAL LIGHTS

BandaSolar.com

LED Bulbs and Tube Lights

4th Generation LED Lights

2w MCOB LED Bulbs

Input Voltage: 85-265Vac 60Hz
Lumen: 200lms
Size: H: 50mm L: 90mm
Life expectancy: 20-50,000 hrs
Color: WW/DL/CW

7w MCOB LED Bulbs

Input Voltage: 85-265Vac 60Hz
Lumen: 630lms
Size: H: 60mm L: 120mm
Life expectancy: 20-50,000 hrs
Color: WW/DL/CW

3w MCOB LED Bulbs

Input Voltage: 85-265Vac 60Hz
Lumen: 290lms
Size: H: 50mm L: 92mm
Life expectancy: 20-50,000 hrs
Color: WW/DL/CW

9w MCOB LED Bulbs

Input Voltage: 85-265Vac 60Hz
Lumen: 810lms
Size: H: 60mm L: 120mm
Life expectancy: 20-50,000 hrs
Color: WW/DL/CW

4w MCOB LED Bulbs

Input Voltage: 85-265Vac 60Hz
Lumen: 360lms
Size: H: 60mm L: 120mm
Life expectancy: 20-50,000 hrs
Color: WW/DL/CW

16w T8 MCOB LED Tube Lights

Input Voltage: 85-265Vac 60Hz
Lumen: 1,440lms
Size: H: 26mm x 1,200mm
Life expectancy: 20-50,000 hrs
Color: WW/DL/CW

5.5w MCOB LED Bulbs

Input Voltage: 85-265Vac 60Hz
Lumen: 470lms
Size: H: 60mm L: 120mm
Life expectancy: 20-50,000 hrs
Color: WW/DL/CW

8w T8 MCOB LED Tube Lights

Input Voltage: 85-265Vac 60Hz
Lumen: 720lms
Size: H: 26mm x 600mm
Life expectancy: 20-50,000 hrs
Color: WW/DL/CW

save as much as
70%
on your light bill.

Also available in DC 12V !

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INDOOR LIGHTS