



**KAMAL SOLAR**



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Bangalore - 560092**



# Kamal Solar<sup>®</sup>

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## Who We Are

Established in the year 1998 under the incorporation of Velnet Non-Conventional Energy Systems Pvt Ltd, we are one of the largest and leading solar manufacturing companies in India. We at Kamal Solar are known for outstanding quality, excellent customer service, trust and prompt after-sales service.

## Our Mission

To build strong Green Communities by creating awareness about the benefits of solar energy and combining innovation with excellence for the purpose of sustainability & becoming more environment friendly.



HIGH QUALITY



RELIABLE



SUSTAINABLE



# SOLAR WATER HEATERS

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Flat Plate Collector (FPC)  
Evacuated Tube Collector (ETC)

# Flat Plate Collector (FPC)



Types	Standard, Pressurized, Heat Exchanger
Capacity	100LPD, 150LPD, 200LPD, 250LPD, 300LPD, 375LPD, 500LPD, 750LPD, 1000LPD * Customised higher capacities also available on orders
Inner Tank	Stainless Steel (304L), Copper Electro Grade
Outer Cladding	Stainless Steel, Colour Coated Sheet
Tank Insulation	Polyurethane Foam (PUF)/RockWool
Circulation Type	Thermosyphon, Forced Circulation
Collector Riser Tube	Copper (12.7 mm)
Collector Header Tube	Copper (25.4 mm)
Absorber Sheets	Aluminum
Absorber Coating	Black Chrome Solar Selective Coating Absorptivity: 0.96 + 0.02 Emissivity: 0.12 + 0.02
Collector Insulation	Glass Wool/Resin Bonded RockWool
Collector Box	Aluminum Channel
Flanges	Brass
No. Of Fins	9,11
Glazing	Toughened, Low Iron, Prismatic Glass
Gasket	EPDM Rubber
Stand	Corrosion Resistant Mild Steel
No. Of Collectors	1
Electrical Backup	Optional (Extra Charges Applicable)

# Evacuated Tube Collector (ETC)



Capacity	100LPD, 150LPD, 200LPD, 250LPD, 300LPD, 500LPD, 1000LPD upto 5000LPD
Inner Tank	Copper Electro Grade, Stainless Steel (304L), GI
Outer Cladding	Colour Coated Sheet, Stainless Steel
Insulation	Polyurethane Foam (PUF)
Hermetic Sealing Rings	Silicon Rings
Evacuated Tube Material	Borosilicate Glass
Evacuated Tube Diameter	58 mm
Evacuated Tube Length	1800 mm, 2100 mm
Evacuated Tube Thickness	1.6 mm
Stand	Colour Coated GI Sheet, Stainless Steel
Electrical Backup	Optional (Extra Charges Applicable)



# SOLAR ROOFTOP

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On-Grid

Off-Grid

Hybrid

# On-Grid Solar Rooftop

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On-Grid Solar Rooftop is best suitable for places with constant power supply. In this case, the excess generated power is supplied back to the grid where the government pays the per unit cost back to the client. This involves permission from the electricity board.

PV panels are available in the range of 330W to 545W. On-Grid inverter with MPPT, a 2-way meter, structure, etc. are provided as per client's requirements.





# Off-Grid Solar Rooftop

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Off-Grid system is best suitable for places with minimum or no electrical supply. Places with frequent power cuts such as rural areas or remote locations.

PV panels are available in the range of 330W to 545W. Solar batteries appropriate for client's usage will be provided. Reliable inverters for any kW are available with excellent after sales service.





# Hyrbid Solar Rooftop

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Hybrid system is best suited for places with power, but with frequent power cuts. In case of excess power generated, the power is supplied back to the grid. If the grid is not available (during power cut), the building will still have electrical supply due to the batteries connected to the inverter.

PV panels are available in the range of 330W to 545W. Hybrid inverter, structure and solar batteries are provided as per client's needs.





## SOLAR STREET LIGHT

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Our street lights are designed to perform  
in all weather conditions providing broad  
coverage area

Any custom design also available

# Solar Street Light



## 8 Watts Solar Street Light Single Arm

PV Modules	37 Wp
Battery	12 V / 15 Ah Lithium Iron Phosphate
LED Lights	8 Watts - 1 Nos
Poll Length	15 feet

## 12 Watts Solar Street Light Single Arm

PV Modules	75 Wp
Battery	12 V / 25 Ah Lithium Iron Phosphate
LED Lights	12 Watts - 1 Nos
Poll Length	15 feet

## 18 Watts Solar Street Light Single Arm

PV Modules	100 Wp
Battery	12 V / 40 Ah Lithium Iron Phosphate
LED Lights	18 Watts - 1 Nos
Poll Length	15 feet

## 30 Watts Solar Street Light Single Arm

PV Modules	150 Wp
Battery	12 V / 60 Ah Lithium Iron Phosphate
LED Lights	30 Watts - 1 Nos
Poll Length	15 feet

## 30 Watts Solar Street Light Dual Arm

PV Modules	150 Wp
Battery	12 V / 60 Ah Lithium Iron Phosphate
LED Lights	18 Watts - 2 Nos
Poll Length	15 feet



## HEAT PUMPS

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Highly- Efficient | Low Noise | Durable

120 LPH, 160 LPH, 230 LPH, 320 LPH, 470 LPH

Any custom capacity also available

# Heat Pumps

Our Heat Pumps are available in the following specifications

## 120 Litres Per Hour

Output Power	4.64 kW
Input Power	1.22 kW
Compressor	Panasonic / Rotary
Refrigerant	R 410A
Net Weight	50 kg

## 160 Litres Per Hour

Output Power	6.5 kW
Input Power	1.71 kW
Compressor	Panasonic / Rotary
Refrigerant	R 410A
Net Weight	55 kg

## 230 Litres Per Hour

Output Power	9.28 kW
Input Power	2.45 kW
Compressor	Panasonic / Rotary
Refrigerant	R 410A
Net Weight	70 kg

## 320 Litres Per Hour

Output Power	13 kW
Input Power	2.8 kW
Compressor	Copeland / Scroll
Refrigerant	R 417A
Net Weight	130 kg

## 470 Litres Per Hour

Output Power	19 kW
Input Power	4.3 kW
Compressor	Copeland / Scroll
Refrigerant	R 417A
Net Weight	147 kg



**We look forward to serving you**



**For orders & queries, reach out to us at :**

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