शुभXSUN
SOLAR ENERGY
ENCASH THE POWER OF SUN

SOLAR ENERGY

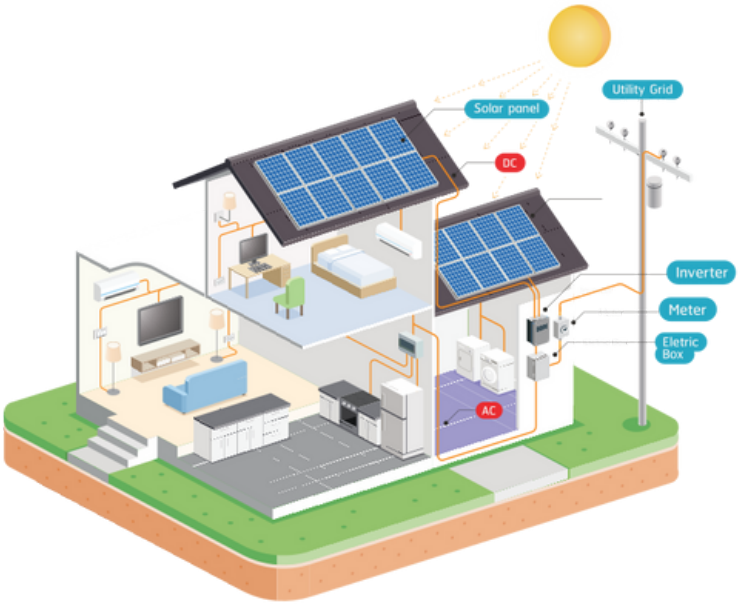
"Power Your Future: Save Energy, Cut Bills, and Unlock Government Subsidies."

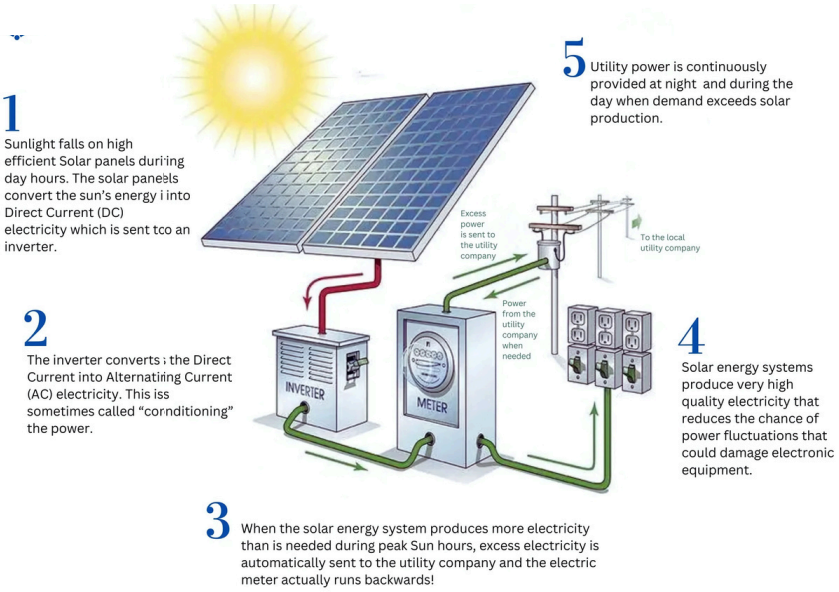
- SAVE ELECTRICITY BILL
- PREMIUM QUALITY
- LONG-TERM SAVINGS
- RENEWABLE & SUSTAINABLE

VISIT US - WWW.SHUBHXSUNSOLAR.COM +919644159369

Solar panels turn sunlight into electricity through the photovoltaic effect. Each panel contains many solar cells, mainly made of silicon and semiconductors. Sunlight hits these cells, exciting electrons and creating electric current. This current can power devices or be sent to the grid. The U.S. Department of Energy states that Earth gets 173,000 terawatts of solar energy continuously. This amount is over 10,000 times more than the world's energy use. The sun offers free, clean, and sustainable energy. It can replace traditional electricity in our daily lives. Solar energy meets heating, lighting, and electricity needs in homes and businesses.

HOW DO SOLAR PANELS ACTUALLY WORK?

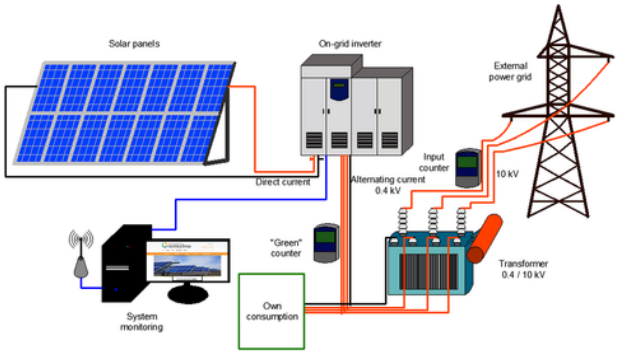




Solar panels are made of conductive materials that react to sunlight. They generate direct current (DC) electricity when sun rays hit them. Can they work on cloudy days? Yes, sunlight still reaches them through clouds. Most homes and businesses use alternating current (AC) electricity. So, DC energy from solar panels is converted to AC using an inverter. This energy can power appliances, be stored in a battery, or fed back to the grid. It all depends on your needs and goals. Solar panels tap into free, clean, renewable solar energy. This helps reduce our carbon footprint and move towards a net-zero future. Subh Solar Energy's new catalogue offers affordable clean energy. It aims to boost economic growth by promoting energy savings

Homeowners and businesses are increasingly adopting solar power. The benefits are clear, both for people and the planet. Here's why solar energy is vital:

Unlike conventional electricity, solar energy doesn't rely on fossil fuels. It avoids air and water pollution and doesn't contribute to global warming. This makes it a better choice for many. Solar energy taps into the Earth's resources. In contrast, conventional electricity depletes and harms these resources.



WHY SOLAR ENERGY IS IMPORTANT?

There's a reason why so many homeowners and businesses are turning to solar power. The benefits are undeniable, not just for individuals, but for the planet as a whole. Here are just a few of the many reasons that highlight the importance of solar energy:

IT'S GOOD FOR THE ENVIRONMENT

The difference between solar energy and conventional electricity is that solar energy does not rely on the use of fossil fuels, does not pollute the air or water, and does not contribute to global warming, making it the preferable option for many. Solar energy works with the Earth's natural resources, whereas conventional electricity depletes or harms them.

IT'S A RELIABLE, COST-EFFECTIVE ENERGY SOURCE

The sun is a renewable energy source. Fossil fuels will eventually run out, but sunlight won't. For that reason, solar energy is highly reliable. And unlike fossil fuels, which are expensive to mine and utilize, it doesn't cost anything to receive sunlight. A one-time installation of solar equipment is all that's needed to reap the benefits.

IT SAVES YOU MONEY IN THE LONG RUN

Though the cost of installing solar panels or a solar electric system has decreased in recent years, some may still find the initial investment in solar energy to be intimidating. However, the key is remembering that installation is a one-time event, whereas paying for conventional electricity is a frequent, ongoing, and expensive obligation, especially as electric rates continue to rise.

IT PROMOTES ENERGY INDEPENDENCE

Energy independence means not having to rely on the power grid. Without other means of powering your home, you could run into a variety of issues in the event of bad weather or damage to power lines. Using solar energy, especially when paired with a backup battery system, allows you to avoid being tied to unreliable power grids when you need energy the most.

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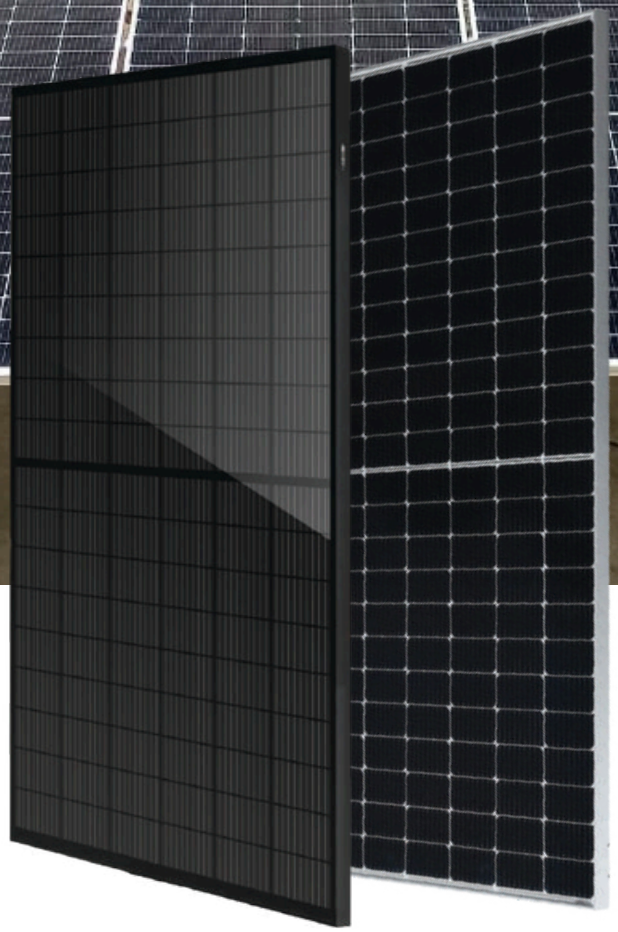
OUR SOLAR SERVICES

Solar Panels



UP TO
12 YEAR
WARRANTY
PRODUCT MATERIAL AND WORKMANSHIP

25 YEAR
WARRANTY
LINEAR POWER OUTPUT

The sun offers endless energy, unlike limited fossil fuels. Solar energy is thus dependable. It's free, needing only an initial setup.

Energy independence means not relying on the power grid. Without it, bad weather or damaged lines can cause problems. Solar power, especially with backup batteries, ensures you avoid these issues. It keeps you away from unreliable grids during crucial times.

Subh Solar Energy solar panels are designed to exceed their power ratings. They offer PID resistance, ensuring efficiency against high voltages, temperatures, and humidity. Moreover, their unique design boosts performance on cloudy days. Plus, a 25-year warranty guarantees top output even after decades.

HALF-CUT TECHNOLOGY
Unique circuit design to reduce temperature heat spots

SIGNIFICANTLY AVOIDING HEAT SPOT
The unique circuit design to reduce the temperature heat spot significantly, so that to reduce the power loss and then increase the output of modules.

LOWER COST
Increasing power generation can reduce the cost per kilowatt-hour

EXCELLENT PERFORMANCE OF PID RESISTANCE
The performance of PID resistance (Potential Induced Degradation) passed the standard of TUV Nord.

CE

SOLAR ENERGY
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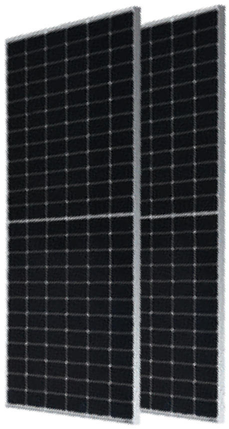


SILVER FRAME SOLAR PANEL

410W

VT-410

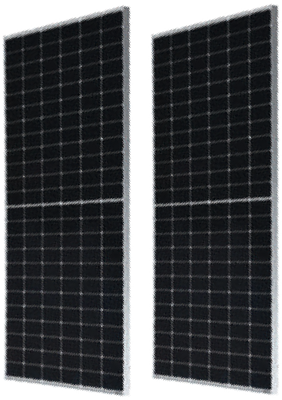
1 meter CABLE

MECHANICAL CHARACTERISTICS

Cell Type No. of Cells	182*91 Mono 108
Dimensions Weight	(12*9)
Junction box Operating	D:1722*1134*35mm
Temperature Qty Per	21.50kg
Pallet	IP67/IP68
	3diodes
	-40~+850C
	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module E ciency(%)	20.97



SILVER FRAME SOLAR PANEL

410W

VT-410

1 meter CABLE

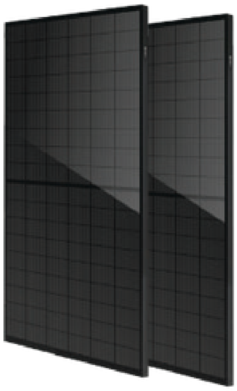
SLIM **DESIGN**

MECHANICAL CHARACTERISTICS

Cell Type No. of Cells	182*91 Mono 108
Dimensions Weight	(12*9)
Junction box Operating	D:1722*1134*30mm
Temperature Qty Per	21.50kg
Pallet	IP67/IP68
	3diodes
	-40~+850C
	37pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module E ciency(%)	20.97



BLACK SOLAR PANEL

410W

VT-410

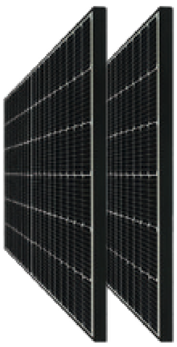
1 meter CABLE

MECHANICAL CHARACTERISTICS

Cell Type No. of Cells	182*91 Mono 108
Dimensions Weight	(12*9)
Junction box Operating	D:1722*1134*35mm
Temperature Qty Per	21.50kg
Pallet	IP67/IP68
	3diodes
	-40~+850C
	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module E ciency(%)	20.97



BLACK FRAME SOLAR PANEL

410W

VT-410

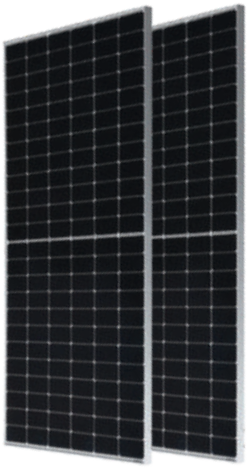
1 meter CABLE

MECHANICAL CHARACTERISTICS

Cell Type No. of Cells	182*91 Mono 108
Dimensions Weight	(12*9)
Junction box Operating	D:1722*1134*35mm
Temperature Qty Per	21.50kg
Pallet	IP67/IP68
	3diodes
	-40~+850C
	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module E ciency(%)	20.97



450W

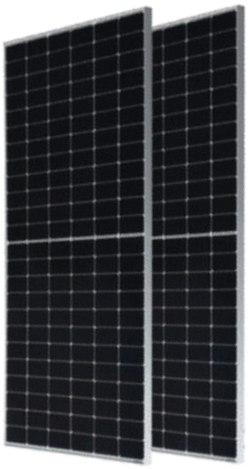
VT-450W

MECHANICAL CHARACTERISTICS

Cell Type No. of Cells	166*83 Mono
Dimensions Weight	144 (12*12)
Junction box Operating	2094*1038*35mm
Temperature Qty Per	23.50kg
Pallet	IP67/IP68 3diodes
	-40~+850C
	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	450.00
Maximum Power Voltage(Vmp)	41.50
Maximum Power Current(Imp)	10.85
Open Circuit Voltage(Voc)	49.30±3%
Short Circuit Current(Isc)	11.60±3%
Module E ciency(%)	20.70



545W

VT-545W

MECHANICAL CHARACTERISTICS

Cell Type No. of Cells	182*91 Mono
Dimensions Weight	144 (12*12)
Junction box Operating	2279*1134*35mm
Temperature Qty Per	28.40kg
Pallet	IP67/IP68 3diodes
	-40~+850C
	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	545.00
Maximum Power Voltage(Vmp)	41.93
Maximum Power Current(Imp)	13.00
Open Circuit Voltage(Voc)	49.90±3%
Short Circuit Current(Isc)	13.92±3%
Module E ciency(%)	21.08

665W

VT-665W

MECHANICAL CHARACTERISTICS

Cell Type No. of Cells	210*105 Mono
Dimensions Weight	132 (12*11)
Junction box Operating	2384*1303*35mm
Temperature Qty Per	33.90kg
Pallet	IP67/IP68 3diodes
	-40~+850C
	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	665.00
Maximum Power Voltage(Vmp)	38.00
Maximum Power Current(Imp)	17.50
Open Circuit Voltage(Voc)	45.80±3%
Short Circuit Current(Isc)	18.58±3%
Module E ciency(%)	21.40

Solar Panels Sets

We have introduced a new method to transport our solar panels. Now, we offer specially packed sets. These sets are tailored for homes and small projects. They provide a limited number of panels to meet specific needs. Our advanced 410W and 450W panels are neatly packed on mini pallets. These pallets can be easily delivered to the site, ensuring the required power and energy.

You can install a solar power system with a government subsidy of 78,000 rupees, making it affordable. This aid reduces the high installation cost substantially. Now, you can reduce your electricity bills by controlling your consumption.

Lower Electricity Bills: Solar panels cut your energy use, reducing bills. You only pay for installation; sunlight is free.

Three Phase

On-Grid Solar Inverters

Long-Term Savings: Solar panels need a one-time upfront cost, but save you money over time. This investment boosts your finances.

Minimal Bills: With enough panels, you can cover most of your electricity needs. This might lead to very low or no bills, especially if you sell back extra energy.

Grid Support: Some states offer net metering. This lets you sell back excess energy for credits, further lowering costs.

Durable and Low Maintenance: Solar panels last 10 to 25 years and need little upkeep. This maximizes savings.

5kW	8kW	10kW
VT-6605305	VT-6608305	VT-6610305

05 YEAR WARRANTY

- Zero export function (Optional)
- External Inductor
- Aluminum enclosure
- Natural cooling, low noise
- IP65 rating

शुभ X SUN
SOLAR ENERGY
ENCASH THE POWER OF SUN

Government Subsidy

of Rs 78000 available

Easy interest
Free loan
available

0%
Emi Available

Get a solar power system at low cost.

With a government subsidy of 78,000 rupees, you can install a solar power system at a very low cost. This subsidy provides a significant financial benefit, reducing the high cost of solar panel installation. Now, you can control your electricity consumption at a lower cost and reduce your electricity bills.

All top brands ALMM approved and Tier 1 companies available

TATA POWER SOLAR | adani Renewables | GOLDI | WAAREE One with the Sun | RenewSys let there be light | vikramsolar | EMMVEE

नवीन एवं नवीकरणीय ऊर्जा मंत्रालय
MINISTRY OF NEW AND RENEWABLE ENERGY
सत्यमेव जयते

EASY EMI

INSTANT SERVICE

FREE
5 Years AMC

Visit Us - www.shubhxsunsolar.com

SAVE 95% Of Your Electricity Bill

"INVEST TODAY, REAP THE BENEFITS TOMORROW!"

- Reduced Electricity Bills: By using electricity generated from solar panels, you can lower your energy consumption, leading to significant reductions in your monthly electricity bills. Since sunlight is free, you only need to pay for the cost of installing the solar panels.
- Long-term Cost Savings: The installation of solar panels involves a significant one-time expense, but after that, you'll experience continuous savings on your electricity bills. Over time, this investment pays off and strengthens your financial position.
- Zero or Minimal Electricity Bills: With a sufficient solar panel setup, you can generate most of your electricity from your own panels. This can result in significantly reduced or even zero electricity bills, especially if your solar system produces excess energy that you can send back to the grid.
- Grid Support and Net Metering: In some states, net metering is available, allowing you to send excess solar energy back to the grid and receive credits in return. This can further reduce your electricity costs.
- Long Lifespan and Low Maintenance Costs: Solar panels have a long lifespan (10-25 years) and require minimal maintenance. This helps maximize your savings on electricity bills over the long run.

PARAMETER	VALUE
AVERAGE MONTHLY ELECTRICITY BILL (BEFORE SOLAR)	4,000
SOLAR PANEL SYSTEM SIZE	3 KW
AVERAGE SOLAR PANEL GENERATION PER DAY	15 KWH (ASSUMING 5 HOURS OF SUN PER DAY)
MONTHLY SOLAR ENERGY GENERATION	450 KWH (15 KWH/DAY * 30 DAYS)
ELECTRICITY RATE (PER KWH)	8
MONTHLY SOLAR ENERGY OFFSET	3,600 (450 KWH * *8)
REMAINING ELECTRICITY BILL AFTER SOLAR USAGE	400 (₹4,000 - ₹3,600)
ANNUAL SAVINGS ON ELECTRICITY BILL	43,200 (*3,600 * 12 MONTHS)

SHUBHXSUN
SOLAR ENERGY
ENCASH THE POWER OF SUN

SAVE 95% OF BILL

“SAVE 95% On Your Electricity Bill.

Lower energy costs
Committed to a sustainable future through global renewable energy adoption and emissions reduction

Potential tax credits
Committed to a sustainable future through global renewable energy adoption and emissions reduction

Increased property value
Committed to a sustainable future through global renewable energy adoption and emissions reduction

Here’s a friendlier and more constructive version of your text:

Let’s take a look at how solar energy can help us save on electricity bills!

Average Monthly Electricity Bill (Before Solar): ₹4,000

Solar Panel System Size: 3 kW

Average Solar Panel Generation per Day: 15 kWh (We’re assuming about 5 hours of sunlight each day)

Monthly Solar Energy Generation: 450 kWh (That’s 15 kWh per day multiplied by 30 days)

Electricity Rate (per kWh): ₹8

Monthly Solar Energy Offset: ₹3,600 (This is calculated by taking 450 kWh times ₹8)

Remaining Electricity Bill After Solar Usage: ₹400 (This is your original bill of ₹4,000 minus the offset of ₹3,600)

Annual Savings on Electricity Bill: ₹43,200 (This is ₹3,600 times 12 months)

Switching to solar energy can cut your monthly bills. You'll save a lot over the year!

Feel free to ask if you need more information or further adjustments!

"Solar Energy leads in solar solutions for all sectors. We commit to a sustainable future by promoting renewable energy and reducing emissions."