VENUS™
SOLAR POWER SYSTEMS

CLEAN GREEN ENERGY

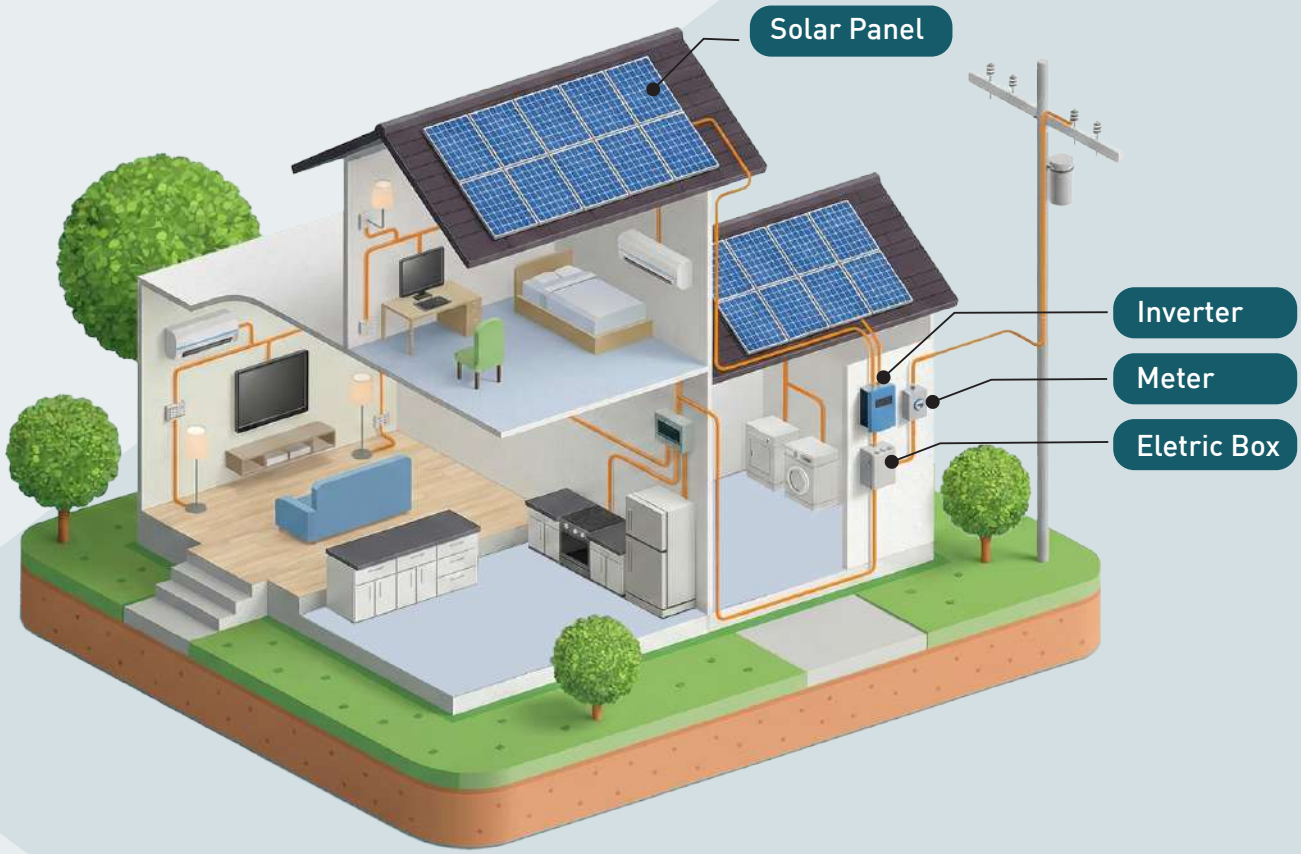
SAVES THE EARTH & YOUR WALLET



About VENUS Solar Power System

Venus Solar Power System delivers high-performance rooftop solar solutions designed for residential, commercial, and industrial applications. Backed by the Venus legacy of quality and trust, these systems help customers significantly reduce electricity costs while contributing to a cleaner and more sustainable future.

Venus is an MNRE-empanelled vendor, actively executing government-subsidy rooftop solar projects across Tamil Nadu, Kerala, Puducherry & Andaman Nicobar, ensuring full compliance with MNRE and DISCOM guidelines.



Venus Solar Power (Photovoltaic) solutions are available in the following configurations:

1. On-Grid Solar Power Systems - Designed to meet daytime power requirements, with surplus energy exported to the utility grid through net metering.

2. Off-Grid Solar Power Systems - Standalone systems with battery storage, ensuring power availability during night-time and grid outages.

3. Hybrid Solar Power Systems - A combination of grid connectivity and battery backup, providing uninterrupted power, energy storage, and grid export for maximum flexibility.

Key Advantages of Venus Solar Power:

Venus Solar Power systems are built using premium branded components to ensure long-term performance and reliability:

1. RenewSys / Premier / Equivalent - Topcon Bifacial half-cut solar panel & Bifacial half-cut solar panels.
2. Venus/GoodWe/Deye / Equivalent - On-Grid, Off-grid and Hybrid Inverters
3. ACDB, DCDB from Venus with reputed components.
4. High-quality AC & DC cables and MC4 connectors
5. Robust Aluminium and Galvanized Iron mounting structures

All systems are supplied as a complete, end-to-end solution, offering customers a fully integrated solar power package backed by the trusted Venus brand assurance.

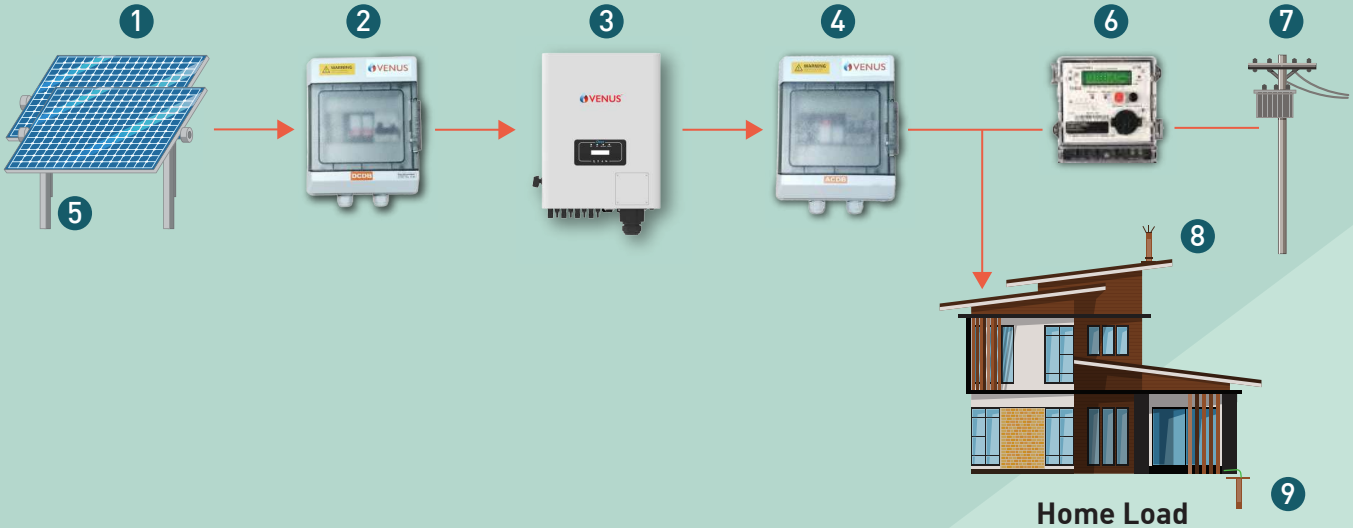
On-Grid Solar System

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A cost-effective solution that stays connected to the utility grid, allowing you to lower bills through net metering without the need for expensive batteries.



Available capacity 1kW onwards



Guarantee*
Product - 5 Years, Inverter - 10 Years, Panels - 12 Years, Panel Performance - 30 Years

Key Components in On-Grid Solar System

1. Solar Panel
2. DCDB
3. On-Grid Inverter
4. ACDB
5. Mounting Structure
6. Net Meter
7. Utility Grid
8. Lightning arrester
9. Earthing accessories

BENCHMARK VALUES AS BELOW

CAPACITY	SUBSIDY IN RS.
1 kW	30,000
2 kW	60,000
3 kW and above	78,000

*T & C Apply

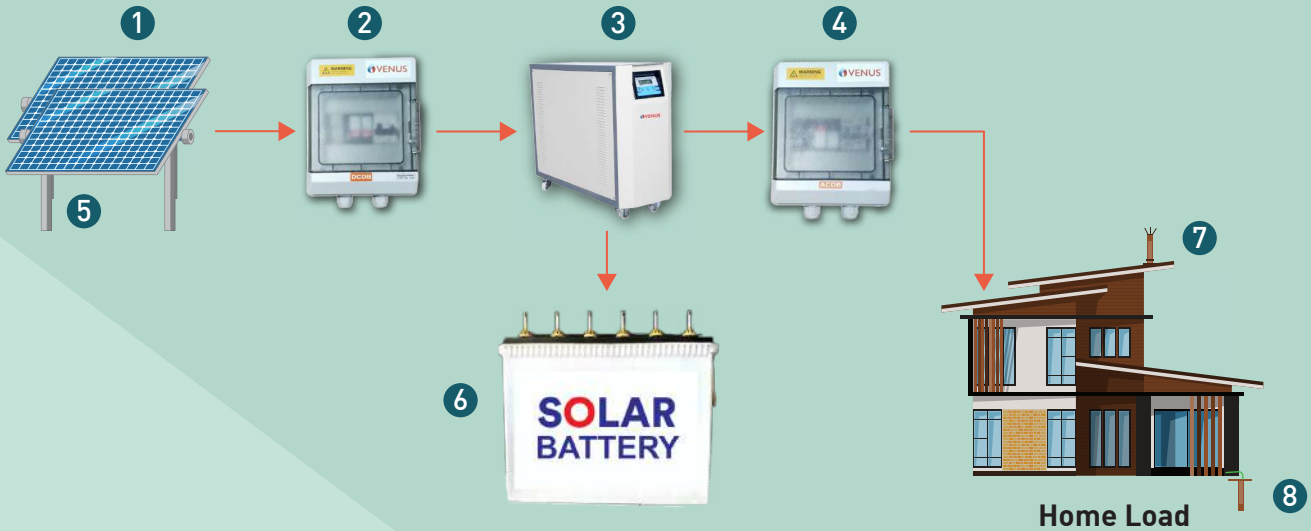
Off-Grid Solar System

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A completely self-sustaining system that uses battery storage to provide reliable power day and night, entirely independent of the utility company.



Available capacity
0.6kW onwards



Guarantee*
Product - 2 Years, Inverter - 2 Years, Panels - 12 Years, Panel Performance - 30 Years, Battery - 5 Years

Key Components in Off-Grid Solar System

1. Solar Panel
2. DCDB
3. Off-Grid Inverter
4. ACDB
5. Mounting Structure
6. Battery
7. Lightning arrester
8. Earthing accessories

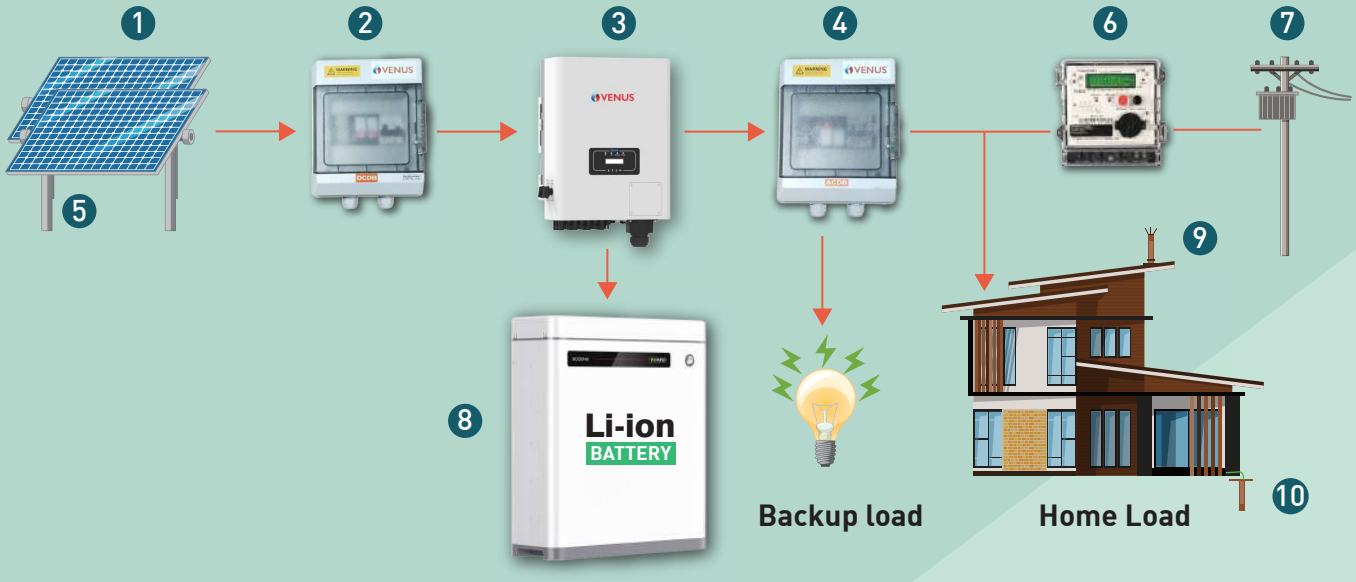
Hybrid Solar System

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A smart system that combines grid access with battery backup, ensuring you have uninterrupted power during outages while still benefiting from net metering.



Available capacity 3kW onwards



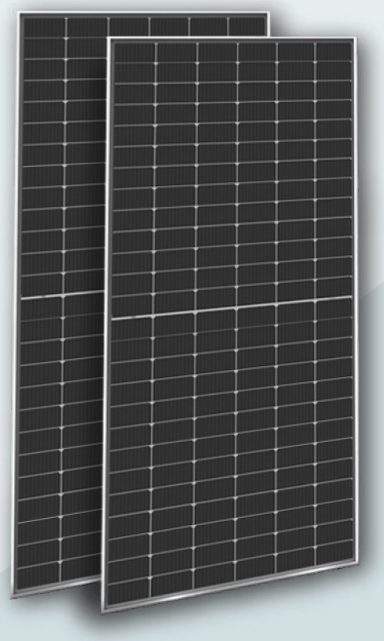
Guarantee*
Product - 5 Years, Inverter - 10 Years, Panels - 12 Years, Panel Performance - 30 Years, Battery - 10 Years

Key Components in Hybrid Solar System

1. Solar Panel
2. DCDB
3. Hybrid Inverter
4. ACDB
5. Mounting Structure
6. Net Meter
7. Utility Grid
8. Battery-Lead Acid / Lithium Ion
9. Lightning arrester
10. Earthing accessories

Solar Panels

DCR - Bifacial Half cut cell
Non DCR - Topcon Bifacial Half cut cell



12 Years
WARRANTY
On PRODUCT

30 Years
WARRANTY
LINEAR POWER OUTPUT

- ✓ Power Gain : Upto + 30% Output
- ✓ LID Loss : None
- ✓ Low Light : High Output
- ✓ Temperature : Better Coefficient
- ✓ Bifaciality : 80±5%
- ✓ Efficiency : 21.22% Conversion
- ✓ Light Response : Low-Light Performance
- ✓ Durability : LID & LeTID Resistant
- ✓ Protection : Anti-Crack & PID

On-grid Inverters

1kW - 250kW





10 Years
WARRANTY
On PRODUCT upto 10 kW

20A/string DC input, Supports 600W panels	1.3 DC/AC ratio for higher yields	Up to 8 MPP trackers 98.9% max efficiency
Optional string monitoring & anti-PID	Zero export with 0.5s fast response	Wide output voltage range 277-520Vac

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Off-Grid Inverters

1kW - 10kW



- Maximum Power Point Tracking
- 3 user settable saving wide
- User Friendly LCD display
- Smart solar optimisation
- Powerful changing on low voltage
- 2 years Guarantee

Hybrid Inverters

3kW - 80kW



- ✓ Battery Voltage : 40V-60V
- ✓ Parallel Support : Max 16 Unit
- ✓ Max Charge : 350A
- ✓ No. of Battery Input : 1

- 100% unbalanced output, 4ms of Switching time
- Support storing energy from diesel generator
- 6 time periods for battery charging/discharging

Solar Distribution Boxes

ACDB / DCDB / Combiner Boxes / Accessories



DC Distribution Box



AC Distribution Box

- ✓ For On Grid, Hybrid, Utility Projects
- ✓ Both Indoor and Outdoor
- ✓ IEC Certified Materials

Solar Panel Installations



180kW Solar Power - Industrial - Sivakasi



90kW Solar Power - Institutional - Kodaikanal



25kW Solar Power - Commercial - Hyderabad



5kW Solar Power- Residential - Perungalathur



4kW Solar Power - Apartments - Chengalpet



3kW Solar Power - Residential - Velachery

Testimonials

Sundaramoorthy

Solar Panel Installation done by Venus handled with real professionalism and helped the process for the government subsidy too. Thank you for your best service.

K.Natarajan

Thank you very much your support, i have received my subsidy from PM Surya Ghar.
Very fast with you are excellent vendor support and properly all the documents done by us.
Once again thanks lot your relationship and support required long lasting.

Kamala Achuthan

Thank you all for the support in the installation of solar energy for our residance. It's up and working.
Special thanks go to fazil who was there in person to take care of the installation work.

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VENUS HOME APPLIANCES (P) LTD.

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