




Tech Power Solar

"Feel the Power of Sun – Clean Energy, Brighter Future."

Green Punjab, Green India



 **+91-88689-42531**



Scan the QR Code or search "Tech Power Solar" on YouTube to witness our dedication, professionalism, and the customer satisfaction that powers our success.



About us

Founded in 2019, Tech Power Solar (TPS) is a leading EPC solar company **based in Ludhiana**, Punjab. With **500+ successful projects** across Punjab and beyond, we specialize in residential, industrial, and subsidy-based solar solutions under the **PM Kusum Yojana**.

We work only with top brands like **Waaree, ULT, Tata and Havells** offering **30 years performance warranty** on panels. Registered with **MNRE and PSPCL**, TPS is committed to delivering customer satisfaction, real project transparency on YouTube, and long-term solar savings. We proudly serve customers all across Punjab and outside Punjab, with multiple projects already in the pipeline. Every installation is managed by our certified engineers team, ensuring maximum efficiency and reliability.

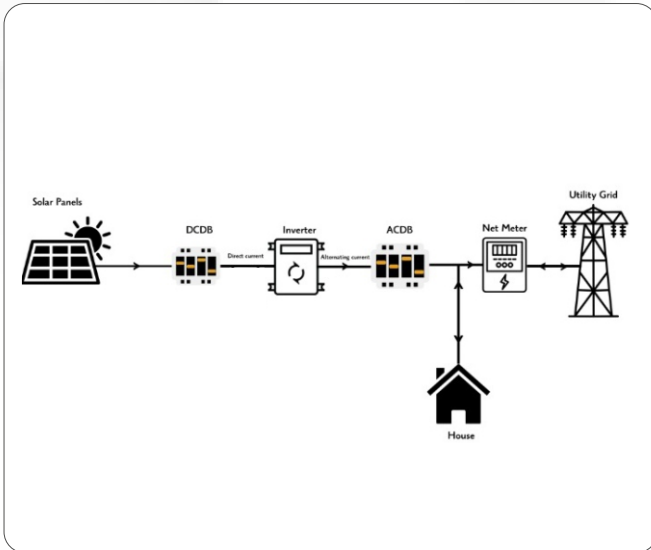
Our Service

- ✓ **24x7 Customer Support** – Always available to assist you.
- ✓ **Same-Day Response** – If any issue arises, our team reaches your site the same day to check and resolve the problem asap.
- ✓ **One-Call Support** – Most issues are handled directly by us. If needed, the authorized backend company service team will assist you — all through a single call.
- ✓ **Government Subsidy Assistance** – Full support for state & central subsidies including PM Kusum Yojana.
- ✓ **7 Certified Installation Team** – Expert engineers ensure safe and reliable installation.
- ✓ **Single-Window Solutions** – From design to net metering, everything under one roof.
- ✓ **Registered with MNRE & PSPCL** – Fully government-approved solar provider.
- ✓ **Easy Financing & Loans** – Zero pocket load, EMI options, and great ROI.(SIDBI, PNB,SBI,EFL).
- ✓ **Direct Company** – Panels & inverters sourced directly from top brands.
- ✓ **Direct Company Service Support** – Warranty and service handled directly by company-authorized teams
- ✓ **Tier-1 Solar Companies** – We deal only with Tier-1 manufacturers for maximum reliability.
- ✓ **Grade-A Solar Panels** – Ensuring high efficiency, durability, and long life for every project.
- ✓ **Direct Company Service Support** – Warranty and service handled directly by company-authorized teams

How Solar Systems Work

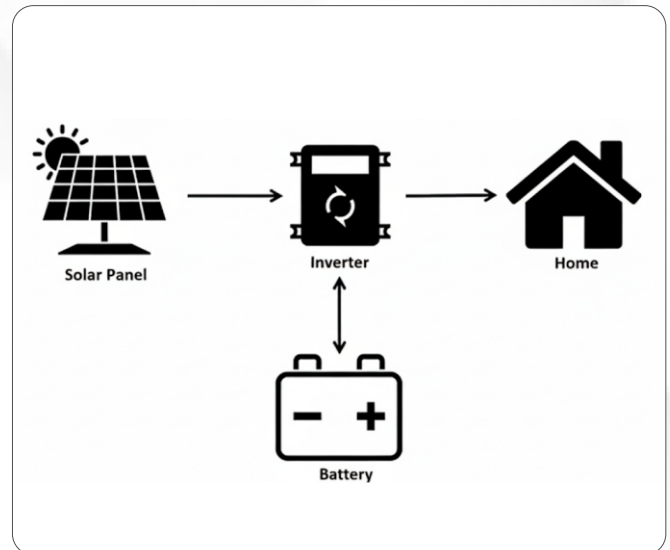
1. On-Grid Solar System (Grid-Tied)

An On-Grid Solar System is connected directly to the government electricity supply (grid). The solar panels generate power which is first used by your home or business. Any extra power is sent back to the grid through net metering, and when your solar isn't producing enough (like at night), electricity automatically comes from the grid.



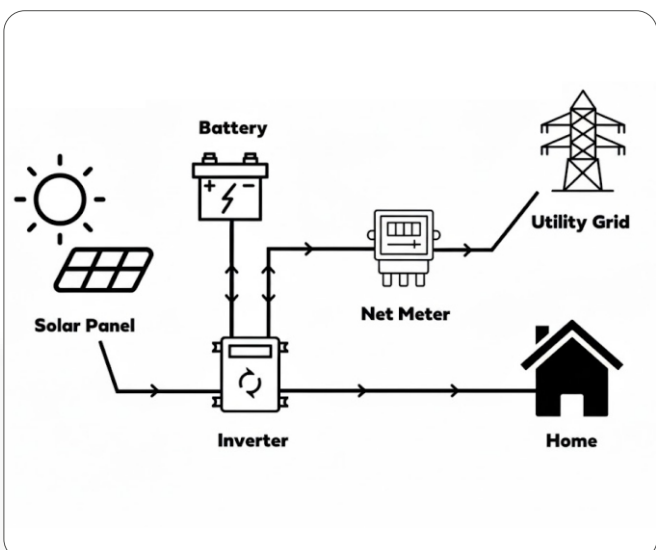
2. Off-Grid Solar System (Battery-Based)

An Off-Grid Solar System works independently without the electricity grid. Here, solar panels charge batteries, and those batteries supply power to your home or business. This system is perfect for areas where grid power is unavailable or very unreliable.



3. Hybrid Solar System (On-Grid + Battery)

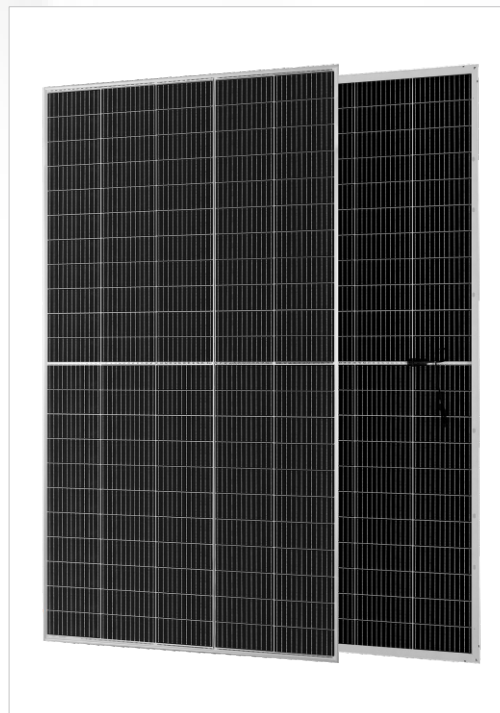
A Hybrid Solar System gives you the best of both worlds. It is connected to the grid like an On-Grid system and has batteries like an Off-Grid system. This means you can save money with net metering and still enjoy power backup.



Earlier, the market had polycrystalline panels up to **335 W**, which were standard and budget-friendly. Then came monocrystalline panels of **400 W**, offering higher efficiency and a premium look. Later, **540 W half-cut** double glass panels were introduced, providing even more power and durability. But now, the **most advanced TOP Con technology has arrived — combining Mono + PERC + Half-Cut + Double Glass + Bifacial in one panel**, delivering maximum efficiency, longer life, and superior power output.



5th Generation Panels



6th Generation Panels



7th Generation Panels

FEATURES

✦ Watt Capacity	540W-545W-590W-595W	610W – 685W – 690W	710W – 730W
✦ Avg. Daily Generation	2.5 – 4.0 Units	3.0 – 4.0 Units	3.5 – 4.0 Units
✦ Total Efficiency	~20% – 21%	~21.5% – 22%	~22.5% – 23%+
✦ Performance Warranty	30 Years	30 Years	30 Years
✦ Degradation Value	~0.50% – 0.55%/year	~0.40% – 0.45%/yea	~0.30% – 0.35%/year
✦ Temperature Coefficient	-0.34%/°C	-0.32%/°C	-0.29%/°C
✦ Operating Temp Range	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
✦ Best Use	Homes & Small Projects	Large Rooftops & Biz	Industrial & MW Projects
✦ Half-Cut Panel Benefits	Higher efficiency, better low-light use	Same	Same
✦ Double Glass Benefits	Longer life, stronger protection	Same	Same

Single-Door Solar Solution



At Tech Power Solar (TPS), we believe solar should be simple, transparent, and stress-free for every customer. That's why we provide a Single-Door Solution, where one company takes care of everything — from survey, design, installation, subsidy support, and net metering to service and warranty. When you choose the same company's panels and inverters, you enjoy true single-door support for the next 30 years of performance warranty.

Customers don't have to run after multiple vendors or face the problems that come with mixing different brands. A single trusted company means better reliability, smooth service, and long-term peace of mind and a single-door solution is the best way to guarantee it.

Problems with Mixed Solar Projects

Many local vendors try to cut costs by using different brands of panels, inverters, and accessories in a single solar project. While it may look cheaper at first, this creates serious problems in the long run:

- ✗ **Warranty Issues** – If different brands are mixed, companies often refuse full warranty coverage.
- ✗ **Low Efficiency** – Different panel brands and models don't work at the same efficiency, reducing overall generation.
- ✗ **Service Confusion** – In case of any problem, you won't know which company to contact leading to delays and frustration.
- ✗ **Shorter Life** – Using mixed or low-grade products **reduce the system's durability and long-term performance.**



Our Industrial & Residential Projects



Focal Point, Ldh. – 60kw (TATA)



Janakpuri, Ldh. – 30 kW (WAAREE)



IJM Toyota, Ldh. – 250 kW (TATA)



Cheema Chowk, Ldh.– 50 kW 100kW (UTL)



Phagwara Industrial Site – 200 kW (TATA)



FERORZPUR ROAD LDH.-35 kW (TATA)



Basant Avenue, Ldh. – 20 kW (WAAREE)



South City AIPL – 10 kW, 14 kW,
20 kW, 10 kW (UTL)



Pakhawal Road Ldh. – 10 kW (WAAREE)



Moti Nagar, Ldh. – 5 kW (UTL)



Malerkotla 8Kw Hybrid (UTL)



Nwa Sehar 15kw (WAAREE)



Complete Solar Project Accessories



Solar Panel



Solar Grid Tie Inverter



Mounting Structure Galvanized



GI Base Plate



Civil Work & Installation Material



Solar DC CABLE



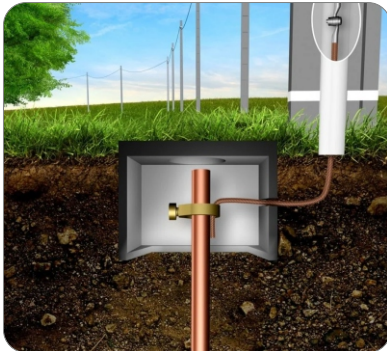
AC Electrical Wire



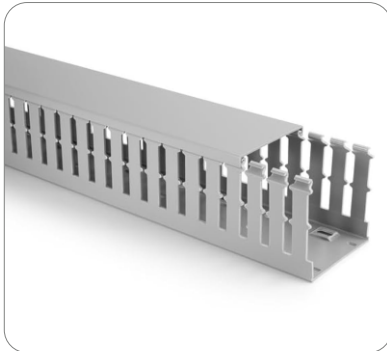
DC & AC Distribution Box



Lightning Arrestor (LA)



Earthing Rod



PVC AR Duct Cable Tray



Round Black Polyamide Flexible



Lithium battery for off grid & hybrid System



Hot Dip Accessories



Online Monitoring



Net Metering (2 Meter)

Why Should I Invest in Solar?

Industrial Solar Benefits

1. No Tax on Solar Units – Energy generated is completely tax free.
2. No Unit Rate Hike – Electricity tariff increases every year, but solar keeps your cost zero.
3. No Pocket Load – Bank finance & loans.
4. GST Rebate & Depreciation – 40% accelerated depreciation + GST input credit reduces project cost.
5. SIDBI Bank Loan – Special schemes available.
6. ROI Growth – Returns increase every year; average ROI 18–22% per year.
7. Long Life Investment – One-time setup, 25–30 years free power.
8. Low Maintenance – Just clean panels once a week for maximum output.
9. Rooftop Utilization – Unused terrace/rooftop becomes a profit center.
10. Environmental Benefits-Reduces carbon footprint, supports green branding


Domestic Solar Benefits

1. Your Rooftop – Your Mini Power Station.
2. Increase – Home Value with Solar Rooftop.
3. Solar for Family Future – Safe, Clean & Long-Term Investment.
4. Safety First – Lightning Arrestor Protection for Your Home.
5. Pay Less to Grid, Use More from Your Own Solar Plant.
6. EV + Solar – Smart Combo for Home & Car.
7. Solar Power – A Gift of Free Energy for the Next Generation.
8. Freedom from Rising Electricity Tariffs – Switch to Solar.
9. Solar Subsidy 2025 – Get up to 78,000/- Support from MNRE.
10. Proudly Say – “My Home Runs on 100% Green Power”.


Example Saving :- A 100 kW Solar Plant saves approx. 90,000 per month = 10,80,000 per year .

Payback in just 3–4 years “A 100 kW Solar Tree is like planting 6,000 trees — clean energy that protects our planet for future generations 30Years.

Contact us

 Sale Team: +91-98759-82401,+91-98759-82404, +91-90567-25664

 Service & Support: +91-98759-98927, +91-90567-25665

 R.K. Road, Cheema Chowk, Near Indian Summer Hotel,
Ludhiana, Punjab

 techpowersolar8864@gmail.com
info@techpowersolar.in

 www.techpowersolar.in