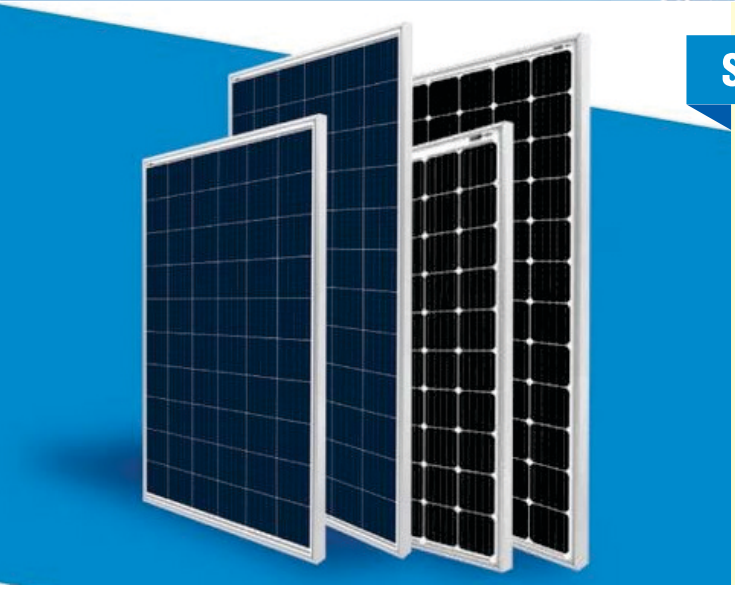
Feel the POWER of SUN!

SOLAR PV INSTALLATION • SOLAR STREET LIGHTS
SOLAR HTS PANELS • SOLAR INVERTERS
• ACCESSORIES



SOLAR PANELS

adani Solar | TATA SOLAR | vikramsolar
GOLDI SOLAR | NOVA | RenewSys
SAATVIK | WAAREE

- High Reliability.
- Easy Installation.
- Low Maintenance.
- Power for any location.
- Better Temperature Coefficient.
- Better Output in Low Irradiance.
- Mono & BiFacial Types are available.
- Higher Power Generation under higher ombient temperature conditions.
- Higher power output even under low light environments like on cloudy or foggy days.

INVERTERS

- Module level-power optimization.
- Built-in module level monitoring.
- Advanced DC safety features.
- High reliable and efficient.
- Wide MPPT and GRID voltage range.
- Wireless monitoring and communication.
- Easy installation and commission.

solaredge

4KW - 120KW

Solar Edge was established in 2006, has shipped over 31.60 W of DC optimized inverter solution which they developed.

- 3ph inverter with synergy technology.
- Module level power optimization.
- Built-in module level monitoring.
- Advanced DC safety feature.

Fronius

3KW - 100KW

Fronius is an Austrian Company established in 1945, has installed 120W of on-grid string inverters worldwide.

- SnapTech inverter technology.
- Dynamic peak Manager
- 40% overloaded.

SWISS MADE

STUDER

HYBRID I ON - OFF GRID
Range : 4KW

- Line imbalance handling for 3ph supplies.
- 1ph input to 3ph conversion.

GOODWE YOUR SOLAR ENGINE | Deye | powering tomorrow Growatt | solis

SOLAR STREET LIGHT

Range : 30W, 50W, 100W

Stand Alone

Semi Integrated

ALL in ONE

Features

- No Requirement of Electricity.
- Easy to Install.
- No operation and maintenance required.
- Eco Friendly.

Applications

- Pathways
- Residential Areas
- Township Lighting
- Parking Areas
- Parks
- Community Garden etc.,

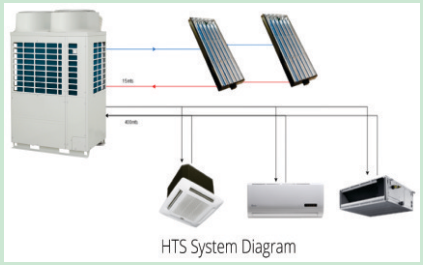
HYBRID THERMAL SOLAR (HTS) PANEL

Save your AC electricity bills by up to 40% !

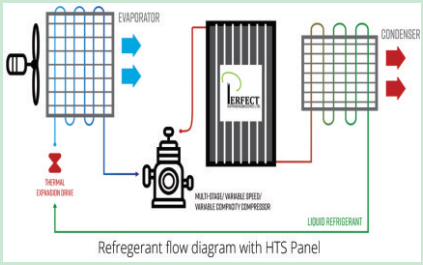
IN COLLABORATION WITH SUNTRAC USA

Working Process

- Refrigerant gas with high temperature and pressure leaves the compressor and enters the HTS Panel.
- The HTS Panel harnesses the sun's energy by reflecting the light on parabolic mirrored concentrators. The light is focused on the copper pipes that are coated with specialized absorption paint.
- Based on the solar thermal intensity, refrigerant temperature and internal load, the advanced microprocessor decides the modulation of the parabolic reflectors to ensure only adequate heat is added at the most optimum operational point.
- This further heated refrigerant gas is returned from the panel outlet into the HVAC units condenser.
- Due to the heat, the compressor needs to do less work in the next cycle, hence it slows down. The reduction in RPM of the compressor correlates with the heat added by the HTS Panel.
- Hence, by adding heat using the HTS Panel, Perfect can reduce the electricity consumption of any Inverter AC by 25-40%.



HTS System Diagram



Refregerant flow diagram with HTS Panel

Features

- Saves 25% to 40% Electricity.
- More space efficient than PV Panels.
- 5 Year Warranty.
- ROI of ~36 months.
- Designed for 15+ year Life
- 1ph input power with <5 W consumption.
- Powder coated to resist harsh environment.
- Removable glass top for easy access.
- Little to no maintenance cost.
- Supported by most Indian AC manufacturers.

Single Panel is suitable for 7.5 ton I 10HP I 90,000 BTU 24,000 Kcal/h I 28Kw of cooling capacity.

System is scalable to any size HVAC project with variable / inverter compressor ACs (VRF, chiller, ductable or package)

KGMS ENERGY PRIVATE LIMITED

★ SOLAR ROOF TOP ★ MW SCALE PROJECTS ★ OPEX ★ CAPEX

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