



*Solar Hitech is proud to bring you its line of solar photovoltaic systems that caters to domestic / residential, small and large commercial as well as industrial lighting and power consumption needs.*

## WHY CHOOSE US



Over 22+ Years of pioneering energy & Engineering solutions.



Engineering, Design & Service support Team



Extensive Network of 200+ partners across India



12500 sq. feet manufacturing facility

- Solar Photovoltaics offer a free and efficient source of energy that can help reduce your regular electricity needs.
- We work with teams of architects, engineers and electricians to provide our customers highly engineered turnkey solar solutions for kW to MW scale projects.
- With a keen focus on continuously striving to maintain optimum service delivery and quality while maintaining the best safety standards, we are an ISO 9001:2015 certified company.

## WE OFFER

- Engineering, Procurement & Construction (EPC)
- Re-Engineering & Re-Development
- Operation & Maintenance (O&M) Services

## APPLICATIONS

- Residential
- Institutional
- Industry/ Commercial

# ON-GRID

These systems are installed in residential, commercial and industrial buildings where local electricity supply is available.

The system comes with a Net meter which combines elements of captive consumption and exchange of power with the grid.

Zero export limiting option to utilize self-consumption of the solar energy.



## KEY FEATURES -

- High efficiency solar PV Modules and New generation MPPT Inverters
- Option for Zero export limiter
- Roof mounted and Ground mounted
- Sustainable power – Real time tracking
- Elevated structures for space usage
- Increased electricity savings and depreciation benefits
- Lifetime support throughout the life of the system
- Available in the ranges of 1kW to MW scale



# OFF-GRID

Solar off-grid / Hybrid is a sustainable, reliable, cost-effective solar power system to allow off the grid usage in areas with absence of electricity/heavy power cuts or for night time usage.

## KEY FEATURES -

- Maximizes solar usage
- Long life Lead acid and Maintenance free LiFepo4 Batteries.
- High Efficiency MPPT Inverter with inbuilt battery management system
- Self-Protecting active fault monitoring unit for safe operation
- Mounting possible on virtually all types of roof profiles.
- Any time power option for Critical loads.
- Aesthetic design for LiFepo4 batteries
- Available in the ranges of 1kW to 500kW.

# SOLAR HOME LIGHTING & LANTERNS

Solar Home lighting and Solar Lanterns are the ideal plug and play, cost effective solutions for rural areas and help offset the high cost of electricity access and the environmental impact from the use of Kerosene lamps.



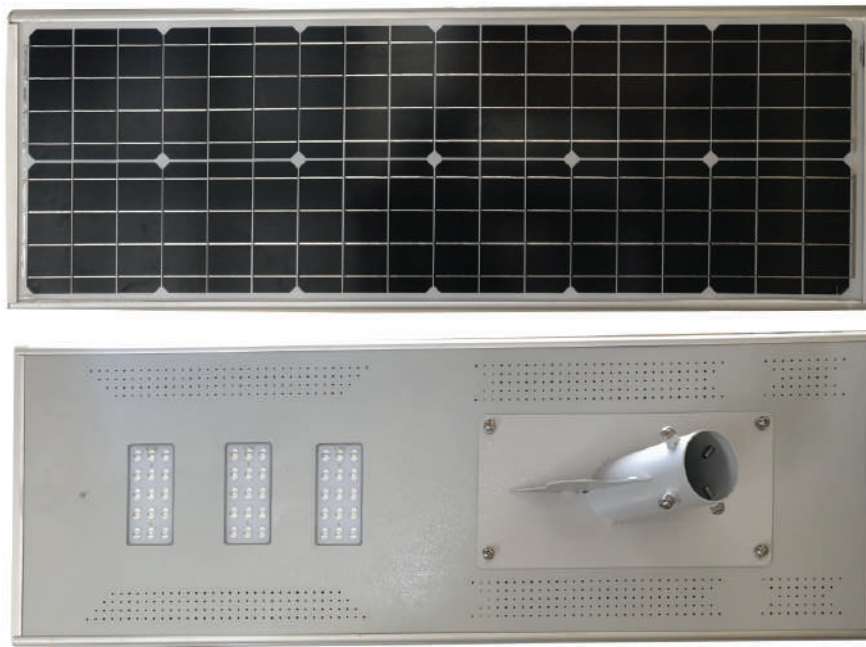
## KEY FEATURES -

### Solar Home Lighting

- Comes with 2, 3 and 4 lighting kit, Illumination for 2-3 rooms
- Dual Charging feature with 5V DC Charging Port
- Comfortable level of illumination
- Digital circuit to LED indication for lamp and Battery status.
- USB option for solar home lighting kit
- Lamp with 5 Mtr Extension cable.
- Maintenance free and weight less battery for the backup.
- Easy to carry

### Solar Lantern

- Compact design, Easy to carry for outdoor applications.
- Power LED with best lumens output
- Comes with a compact li Ion / LiFepo4 Battery
- Gets fully charged during the day with sunlight
- Solar Lanterns available in the range from 1W TO 5W



# SOLAR STREET LIGHTING

Reliable, efficient and cost effective Solarstreet Lighting system for the illumination of streets, roads, common public places and other areas, from dusk to dawn.

## All in one Streetlight

Fully integrated street light and comes with Solar PV Module, Battery and lights integrated into a single device.

## KEY FEATURES -

- High efficiency solar PV module (Poly and Mono modules)
- Smart Controller -PWM & MPPT
- Osram LED with lumens 120-140/Watt
- Aluminum or metal frame
- BIS certified Lifepo4 battery with cycles over 2000 times
- Battery life span 5 Years under standard conditions.
- Smart PIR Motion Sensor.
- Charge time 4 -6 hours
- Dimming option with PIR sensor
- IP 67 Protection
- Mounting Height 4-6 Mtr above the ground level
- Dusk to Dawn Operation
- Available in the range 9W to 100W

# SEMI INTEGRATED STREETLIGHT

System comes with Light and battery integrated and a separate PV Module.



## KEY FEATURES -

- BIS certified LiFepo4 Battery
- Smart controller with high efficiency
- Osram LED with lumens 120-140/Watt
- PV Module orientation adjustment.
- Al die casting body for the luminary
- Dimming program as per requirement.
- IP 67 Protection
- Available in single arm and dual arm
- Mounting Height 4-6 Mtr above the ground level
- Available in the range 9W to 60W



# LEAD ACID / SPLIT STREET LIGHT

Cost effective system in which all components are assembled separately with the Battery mounted 1.5 – 2Mtr above the ground.

## KEY FEATURES -

- Lead acid battery
- Al die casting body for the luminary
- Rust free MS powder coated Battery box
- IP 65 Protection
- Mounting Height 4-6 Mtr above the ground level
- External charge controller
- Osram LED with lumens 120-140/Watt
- Available in single arm and dual arm
- Available in the range 9W to 36W

# SOLAR PUMPING SYSTEM

Solar Hitech Water pumps support various off the grid applications including field irrigation and drawing water from multiple water sources.



## KEY FEATURES -

- Available in DC and AC pumps
- No conventional Electricity required
- Design for surface, submersible and open well pumps.
- Long operation life
- Design as per the water output requirement.
- Variable frequency drive with High Efficiency
- Long operating time
- No fuel cost
- Corrosion free structure
- Available in the range of 1Hp to 10Hp



SOLAR HITECH

# GET IN TOUCH

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