

Solar Grid Connected Solutions

Save on monthly electricity bills and sell surplus power back to the grid

Why Invest in Solar Grid Connected Solutions



Save Electricity, Go Green

Offset grid electricity costs and reduce your carbon footprint



Long Life & Low Maintenance Asset

25 years performance warranty and low maintenance costs



Earn on Surplus Power

Supply surplus power to grid and earn rebates



Tax Benefits

Depreciation and tax benefits on installed assets

ABOUT

As the cost of electricity from the grid increases annually, consumers and enterprises must find a cheap alternate source of electricity that can be generated efficiently, consumed locally and distributed as surplus.

Solar Hitech delivers Solar Grid-Tie/On-Grid Systems that can generate electricity for residential, commercial and industrial clients. The system uses solar Photo-voltaic (PV) panels to generate electricity, that can then be used to run appliances. The use of high-efficiency, low maintenance PV panels and inverters ensures maximum power conversion and delivery for consumption or transmission to the grid.

KEY FEATURES

- High efficiency solar PV modules to convert solar energy into DC power
- Grid-Tie inverters for conversion to grid suitable electricity
- Bi-Directional Meters for export/import power measurement
- Cables, Structures and Accessories

Solar PV On-Grid – Other Components

Inverters

- Single phase inverters upto 3 KVA
- Three phase inverters from 5 KVA onwards
- MPPT tracking for maximum efficiency

Module mounting

- MS Hot Dip Galvanized Structure
- Floor mounting or roof mounting

Accessories

- Array Junction Box (AJB) & Array Distribution
- Earthing and Lightning Arrestor Kit

Bi-directional Meter



Solar PV On-Grid Systems – Technical Specifications

Model Name*	Description	PV MODULE	Grid-Tie Inverter	Estimated Roof Space (Sq ft)	Estimated Units (KWH) Generated Annually**
RSOG1000	1 KW On-Grid	250 Wp x 4	1 KVA	100 ~ 200	1,500
RSOG2000	2 KW On-Grid	250 Wp x 8	2 KVA	200 ~ 300	3,000
RSOG3000	3 KW On-Grid	250 Wp x 12	3 KVA	300 ~ 500	4,500
RSOG5000	5 KW On-Grid	250 Wp x 20	5 KVA	500 ~ 700	7,500
RSOG7000	7 KW On-Grid	250 Wp x 28	7 KVA	700 ~ 1000	10,500
RSOG10000	10 KW On-Grid	250 Wp x 40	10 KVA	1000 ~ 1200	15,000
RSOG15000	15 KW On-Grid	250 Wp x 60	15 KVA	1500 ~ 2000	20,000
RSOG20000	20 KW On-Grid	250 Wp x 80	20 KVA	2000 ~ 2500	25,000
RSOG50000	50 KW On-Grid	250 Wp x 200	50 KVA	5000 ~ 6000	60,000

* Shown upto 50 KW, can be scaled up based on requirement

**Actual units generated dependent on actual sunshine hours at location of installation



The Solar Hitech Advantage

- **Dependable and reliable technology** – we choose the best components to ensure a system that lasts long
- **Quick Installation** – Once we assess your site, we design a best-fit solution and ensure a trouble free installation
- **Trusted Service & Support** – We know the solar business and will support you through the product lifetime.