



A New era of Solar PV inspired by Nature

Ideal for enhancing **Aesthetics** of Malls, Plazas, Townships,
Hospitals, Hotels & Industries



SmartTree needs very small ground foot-print for installation



Hot dip galvanized steel structure for very long life



Strengthens your reputation as socially responsible organization

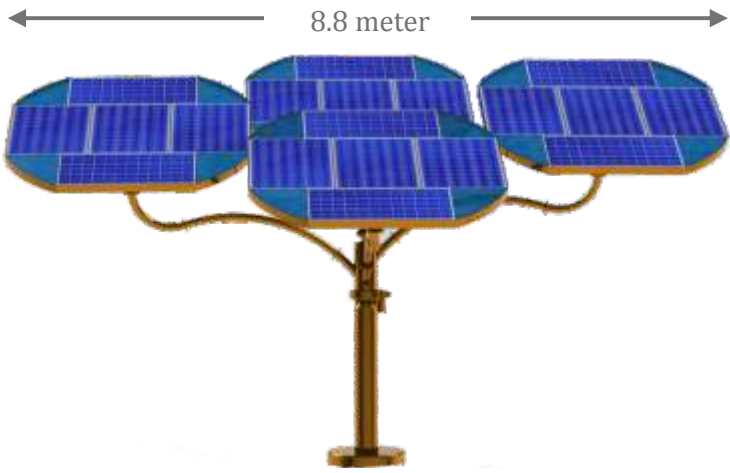


Shaded ground area under tree can be used for any other work

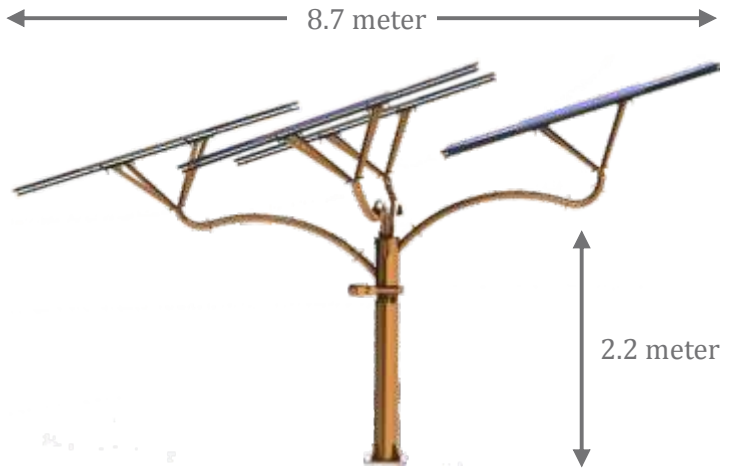
Patent Pending

Standard Tree Capacity: 5KW_p
Grid Interactive & Off-Grid Solar PV

Technical Data



Ground foot-print less then 0.5 m²



Customized height of the tree

General Specification

Model	ST05
PV Panel Rating	5 kW _p *
Annual Yield	7300 kWh**
System Type	Grid Interactive and Off-Grid PV Systems (Configurable as per requirement)
Output Phase	Single & Three Phase as per requirement
Suitable Locations	Can be installed at any location for any Latitude
Safety	Over Voltage/Current Protection
Remote Monitoring	Optional
Warranty on PV Panel & Solar PCU	Manufacturer's Warranty

Mechanical Design

Structure Material	Hot Dip Galvanized Steel
Maximum wind bearing capacity	200 Km/hr
Tracking	Optional Fully Automated East to West Tracking
Ground Footprint (L x W)	0.5 x 0.5 mtr. (0.25 mtr ²)
PV Panel Clearance (at top) (Lx W)	9.5 x 8 mtr. (76 mtr ²)
Height of Panels from Ground	2.2 mtr. (Typical)
Material of Construction	Steel

* Peak Solar PV Panel output at STC

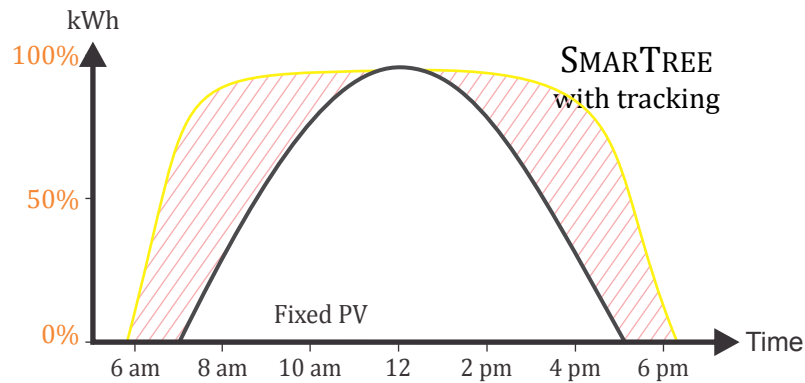
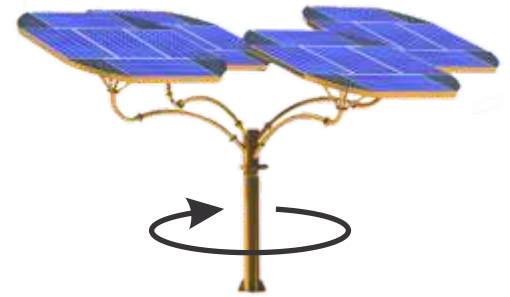
** Estimate energy output from PV Panels. Output depends on different factors like location, weather, shading, tracking, etc.





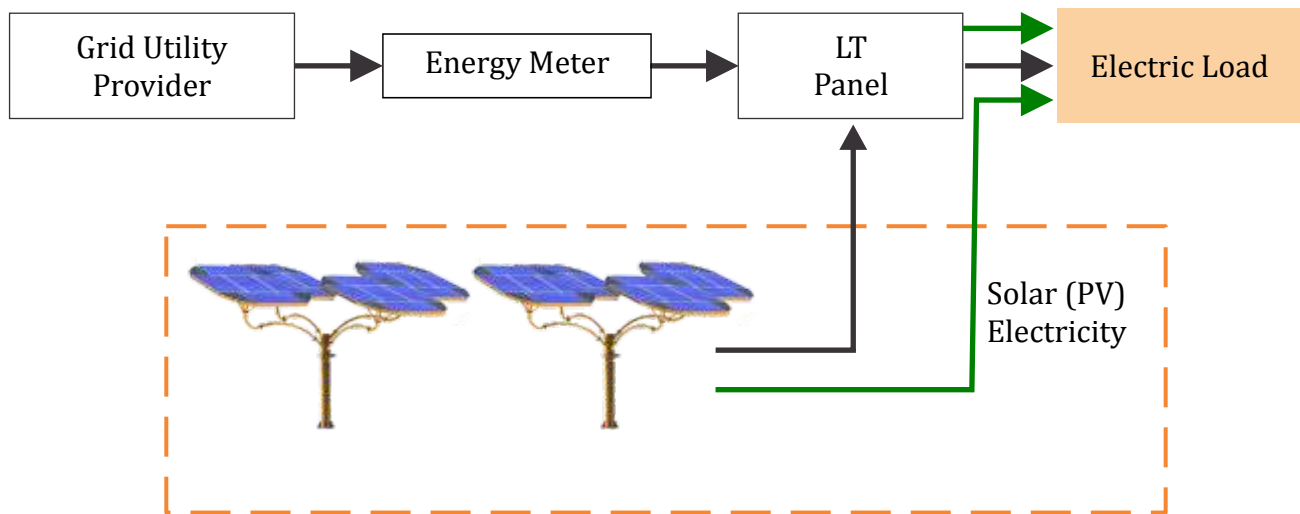
Automatic Single Axis Tracking

- Self powered single-axis automatic tracking
- Tracking increases yield of Solar Panels by up to 22%
- Tracking system is self-lubricating & maintenance-free



* Yield will vary as per site weather conditions

Connecting SmarTree with your Grid Power



SmarTree™ can be used as hub for

Street Lighting	WiFi Zone	CCTV Mounting	Laptop Charging	Sign Board	Shade for Garden Chairs

Contact us

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