



A Solar Accessories and Infra Solution company

# **COMPANY PROFILE**

# Solemate Energy - At a glance

Promoted by a group of passionate entrepreneurs with progressive technical and managerial experience in the field of Solar Design, Supply, Installations and Solar Accessories.

We are committed with quality and safety policies to create immense value to our customers with strong network of professionals.



# Solar PV Grid Tied Home Systems and Solar Grid Tied Industrial Systems Installation



We are well versed in installation of Solar system with various type of site conditions





# Solar PV Panels

Converts clean renewable energy into electricity which can be used to provide power for electrical loads. Available in both Poly and Mono PERC technology

Poly – 330 to 335Wp, Mono PERC – 385 to 405Wp, IEC certified





# **Solar Accessories & Spares**



#### **Module Mounting Structures**

Module Mounting Structures in Aluminium for sloping roof or hot dip galvanised for flat roof and ground mounted system

#### **DC-to-AC inverters**

An inverter accomplishes the DC-to-AC conversion by switching the direction of a DC input back and forth very rapidly. As a result, a DC input becomes an AC output.





#### DC combiner box

The Array junction box is a device that combines the output of multiple strings of PV modules for connection to the inverter.

#### **AC combiner Box**

AC Combiners provide cost effective means to combine AC equipment.





## **Utility power meters**

Solar meters can be used to measure solar radiation flux density or to measure the kWh production from a PV system.





## Remote monitoring systems

As your solar inverter converts DC current into AC current for use in your home, information about power levels and production is collected and sent to cloud-based monitoring systems and their companion apps.

## Wiring and fuse box connections

A solar fuse is a special purpose fuse used in photovoltaic (PV) or solar power systems.





#### Disconnect switches

Disconnect switch is used to ensure that an electrical circuit is completely de-energized for service or maintenance.



## Variable Frequency Drive (VFD)

A SOLAR VFD DRIVE is an electronic device that controls the circulating pump in a solar hot water system to harvest as much heat as possible from the solar panels and protect the system from overheating.





#### MC4 connection

MC4 connectors are single-contact electrical connectors. They are commonly used for connecting solar panels.

#### **AC & DC Distribution boards**

Distribution board is an important part of the SPV system for Solar power Plant





#### Solar Cables and AC cables.

Solar cables are resistance to ultraviolet light, weather, temperature extremes of the area and insulation suitable for the voltage class of the equipment.



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