

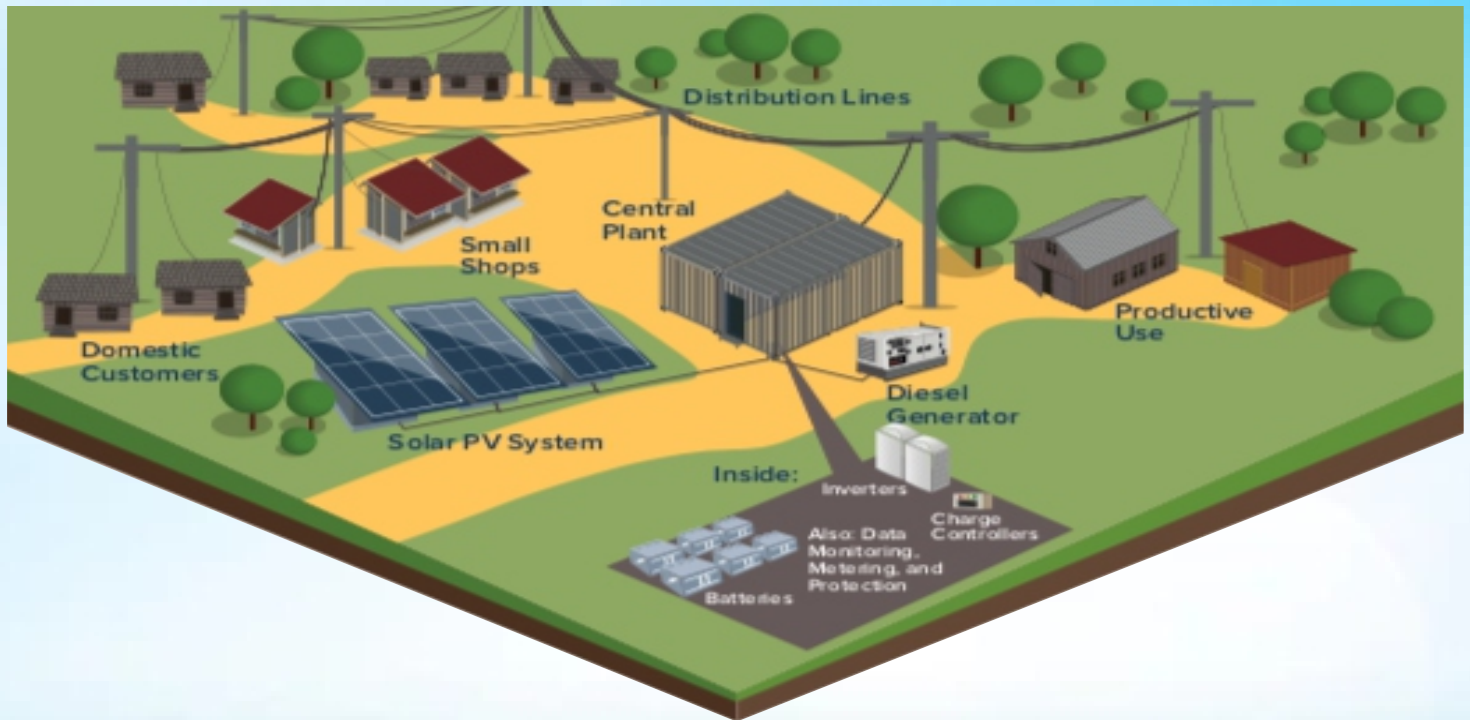
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Solar Mini Grid Sytem



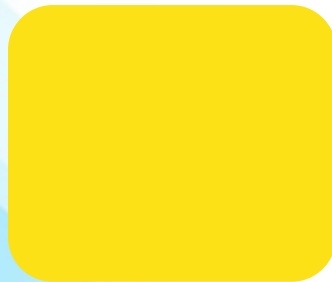
Helpline No. +918447778787
Email: info@atonsolar.in
Website: www.atonsolar.in



What is Mini Grid System?

A mini grid, also sometimes referred to as a "micro grid or isolated grid", can be defined as a set of electricity generators and possibly energy storage systems interconnected to a distribution network that supplies electricity to a localized group of customers."They involve small-scale electricity generation (10KW to 50KW) which serves a limited number of consumers via a distribution grid that can operate in isolation from national electricity transmission networks."





BENEFIT



The financial and technical implications involved in extending the national grid to off-grid locations e.g islands, mountainous regions, rocky and hilly regions etc. are on the high end. However, mini-grids are an easier approach as they can be deployed anywhere and the designs can be altered to be site-specific.

When compared with other decentralized energy solutions such as solar home systems and more innovative approaches, mini-grids stand out. Why? Other systems provide power to access to basic lighting, phone charging, television and refrigerators. But, mini-grids go further, they can be likened to the national grid providing power for all uses including, welding, cooling, basic lighting, milling amongst others.



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FOR MORE INFORMATION

Contact

+918447778787

Email Id

sales@atonsolar.in



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