

Wind-Solar Hybrid Power Plants



Solar-wind hybrids use solar panels and small wind turbine generators to generate electricity. They work in small capacities, typically in the range of 1 kW to 10 kW for the combined system of solar panel and the wind turbine.

The solar wind hybrid systems are used where the load is relatively small. In commercial and industrial sectors, the systems are used, for example, in rural offices or small tourist hotels where power shortage is chronic. Other typical areas of application include schools especially in rural-urban fringe areas, military bases (say, for charging of communication units), railways (say, for track signaling), and high-end residential apartments and villas for specific needs.

maxSOLAR offers wind-solar hybrid power solutions depending on the customers' requirement and wind profile of the location where it is feasible. This type of solution can be installed as a captive generating unit in educational institutions and also as a centralized power system in a remote community resort where wind speed profile is available.

