



DEVIKRUPA ELECTRONICS

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Parabolic Concentrators

Operating Characteristics

- Based on Scheffler design
- Dish area of 16m² and more
- A parabolic dish concentrates sunlight on to the receiver
- Fixed focus design
- Converts ambient water into hot water/steam through a natural circulation system
- Converted energy can be stored in insulated header pipe

Energy output & key financials

- Each dish generates an average of 4.5 to 5.5 kWh
- Attractive payback period
- Financial incentive available from MNRE, Government of India
- Depreciation benefit up to 80% in the first year

Tracking System

The parabolic dish operates on a two axis tracking system which utilizes the energy generated from the PV cells attached to the dish. Thus, the tracking system is automated without electricity being required.

Rich in features

- Virtually zero operating cost
- Robust technology, proven over the last 15 years
- Can work for 250 to 300 days in a year
- Modular design for easy and safe operation and maintenance
- Can be easily integrated with existing back up system
- Space saving design – can be installed on rooftops (requires only 35 m² for one module)
- Low morning heat up time due to lower system losses
- Dual axis tracking system