



CONERGY

Reference Project | Off-Grid Hybrid

## Rural Electrification, India



As part of an off-grid project commissioned by the Maharashtra Energy Development Agency in India (MEDA), 50 remote villages in Western India were brightened up with Conergy's off-grid solutions in 2007. The project involved the installation of 1,300 Solar Home Lighting Systems and 149 Street Lighting Systems in multiple rural locations. Despite challenges in transporting materials across mountainous sites up to distances of 10 kilometers, Conergy efficiently installed all systems within just 1.5 months. With the arrival of Conergy's clean energy lighting at night, social cohesion is enhanced as villagers are able to spend quality time, enjoying activities together even after dark.



OFF GRID HYBRID

### Data

<b>Location</b>	Satpura Hill, Maharashtra (Western India)	
<b>Installed Capacity</b>	65 kWp	
<b>Type of System</b>	Solar Home Lighting	Solar Street Lighting
<b>Type of Module</b>	37 Wp solar module	75 Wp solar module
<b>Battery Bank</b>	48 Ah, 12 V	75 Ah, 12 V
<b>Load</b>	7 W 3 CFLs	11 W 1 CFL
	3 - 4hrs	Dusk till dawn
<b>Mounting System</b>	Roof mounted	Pole mounted

SAPTURA-RP-ENG-0803