

**HI-REL**  
Powering Growth



**SUNSHINE**

... no darkness

## SunShine Off Grid Solar Inverter

Sunshine Off-Grid Solar inverters from house of Hi-Rel are latest offerings for Residential and Commercial Solar PV Installations. These Inverters utilizes advanced technologies to maximize energy harvest, increase system reliability & dramatically simplify design, installation and management.

Hi Rel manufactures solar inverters ranging from 1KVA to 10 KVA. This makes broad range of product choices available to installers and helps to maximize the power generated by the solar array.

Solar Chargers, available in 25Amp & 50Amp ranges are in modular form and stackable. No external transformers are required for step up, step down, or balancing thus providing major savings on any additional costs, installation time and improves efficiency.

### Salient Features

1. Maximizes Energy Harvest
2. State of the art maximum power point tracking
3. Pure sinusoidal output voltage (with very low distortion) is maintained in all load conditions.
4. High Efficiency /Low energy loss design
5. High End DSP/Controller based design
6. AC /DC Switchgear to disconnect the charger and inverter
7. High surge capability for starting heavy load.
8. Wide input voltage range for solar charger.
9. Power magnetic components with low temperature rise for long life operation
10. Extensive monitoring system with latest communication options
11. Noiseless in operation
12. For indoor and outdoor installation
13. Minimum standby losses
14. Force cooled

### Typical Application

- o Rural electrification
- o Small residences and holiday homes
- o Medical Application
- o Telecom Application
- o Railways application
- o Stationary industrial premises

And many more .....

### Specifications

Inverter Rating	1 kVA	3 kVA	5 kVA	7.5 kVA	10 kVA
System Voltage DC	24/48 V	24/48 V	120 V	120 V	240 V
Output Voltage AC	120/230 V				
PF	0.7				
Backup time*	2 to 10 hours				
Solar Charger Efficiency	> 90 %				
Inverter Efficiency	> 90 %				
Wave form	Pure Sinusoidal				
Safety Features	Short Circuit	Over Temperature	Under Voltage	Over Voltage	

\*Can be made as per specific customer requirement

\*\*For more detailed technical specifications kindly contact our sales department.

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