

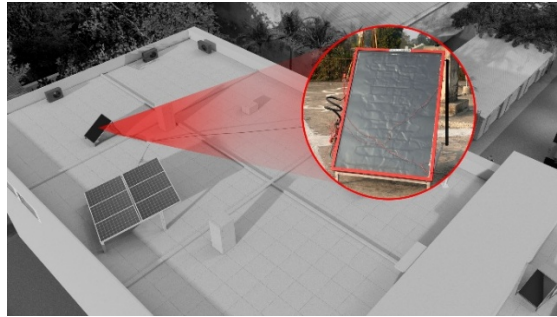
## Portable Solar-Assisted Heat Pump Water Heating System Know-How

### Technology in Brief

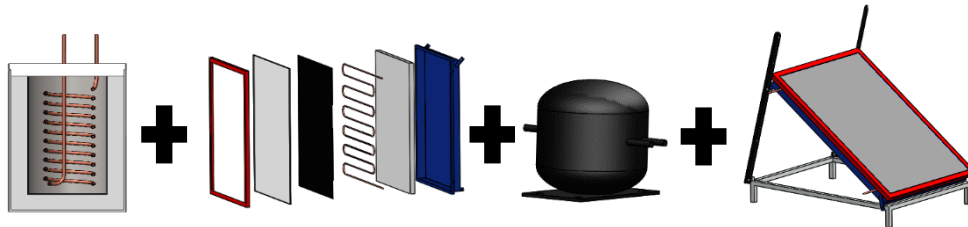
The system heats water up to 50 °C by utilising less energy than conventional water geysers. Cost and energy-efficient system with high solar energy and ambient energy harvesting capacity. Suitable for the intermittent sunshine climate of  $\geq 3-4 \text{ kWh/m}^2/\text{day}$ .

### Salient features /advantages

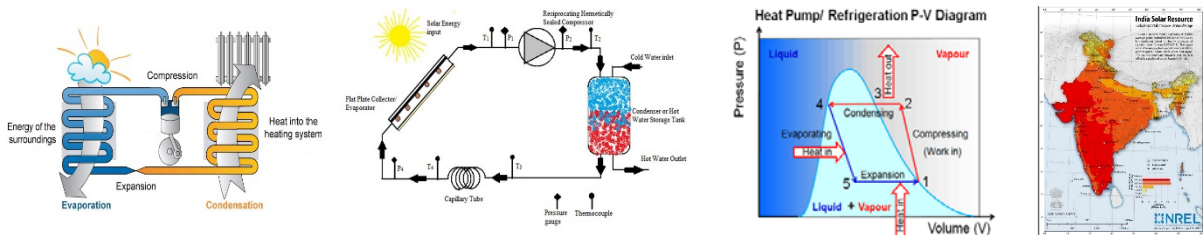
- Life- cycle: 18-20 years
- Payback period: 2-3 years
- Easy to install
- Less energy consumption
- Portable
- Eco- friendly
- Reduce electricity bills
- Less heat loss due to efficient design
- Low maintenance cost
- Higher COP  $\geq 4 - 5$



### Technical Information and System Fabrication Process Know-how



### Modified Portable Heat Pump Solar -Assist Heat Pump



### Solar-Assisted Heat Pump Technology is Highly Efficient for Heating Applications

Rated input	0.3-0.4 kW
Application	Kitchen, Bathrooms, Canteen, Hostels, Hotels, Restaurants, Offices Sport club etc
TRL	Level-6
License/Commercialization	M/s. Gomatha Recyclers and Movers PVT LTD. Katni, MP M/s. Laghu Udyog Bharati
Setup – Equipment required	General Fabrication Workshop
Capacity	60 Litre