

Solar Hybrid Heat Pump Water Heater

This hybrid water heater uses solar power and a DC inverter heat pump to heat or cool rooms. It maximizes solar power as the primary heating source by integrating a solar PV panel system.



ADDITIONAL IMAGES



Overview

Solar Hybrid Heat Pump Technology

This hybrid DC inverter heat pump system utilizes advanced MPPT digital technology to prioritize solar PV energy, significantly reducing dependency on grid power. It provides a versatile solution for year-round climate control, capable of delivering heating in winter and cooling in summer. Designed for durability and efficiency, the system offers high COP performance and integrates seamlessly with existing home energy setups.

Performance

Key Performance Metrics

7 ratio

COP (Standard Condition)

45 °C

Heating Output Temperature

7 °C

Cooling Output Temperature

Technical Specifications



System architecture showing solar PV integration, MPPT control, and city power balancing.

Power Compatibility

- AC/DC dual power supply
- 1-Phase 220V/50-60Hz
- 3-Phase 380V
- 100V-360V DC input (for 1Ph models)
- 250V-600V DC input (for 3Ph models)

Model Capacity Data

Model	Heating Capacity (kW)	Rated Power Consumption (W)
RSV-8A	9.3	2200
RSV-12A	14.5	3400

Features

Key Advantages

MPPT solar tracking, Auto city power balance, Food-grade stainless liner, 10+ year service life, Energy saving (30-80%)

Applications

Installation Sites

- Residential Villas
- Beauty Salons
- Commercial Units
- Balconies
- Roofs
- Bathrooms/Kitchens