

Solar Heat Pump System for Climate Control and Water Heating

This unit integrates solar thermal collectors with a heat pump to provide heating, cooling, and domestic hot water. The system optimizes energy consumption by utilizing solar energy as the primary heat source, reducing reliance on electricity.



Overview

Solar Integrated Climate Control

This high-efficiency solar heat pump system is engineered for professional climate control and domestic hot water production. By integrating solar thermal auxiliary heating with a robust heat pump, the unit minimizes electricity dependency and maximizes thermal output. It provides a scalable, sustainable solution suitable for both residential and commercial applications requiring reliable hot water and thermal regulation.

Performance Metrics

Heating Capacity

35000 W

Heating Capacity

8750 W

Average Input

Solar Auxiliary Power

10000 W

Water Heating

Hot Water Supply Rate

1000 L/h

Max Hot Water Temperature

55

Technical Specifications

Refrigerant Type

R410A

Electrical Requirements

380V^50Hz

Physical Dimensions

Weight Specifications

Metric	Weight
Net Weight	300
Gross Weight	320

Dimensions (LxWxH)

1530x800x1350 mm