

# Building-Integrated Solar PVT System

This system combines photovoltaic and solar thermal collectors to produce electricity and heat. It is designed for building integration to maximize energy efficiency.



## System Overview

### Hybrid Solar PVT Integration

This Building-Integrated Solar PVT System represents a sophisticated hybrid technology designed to maximize onsite energy generation. By simultaneously capturing solar radiation for electrical conversion through photovoltaic cells and thermal energy for fluid heating, the system achieves significantly higher efficiency than standalone installations. Designed for large-scale commercial or industrial rooftops, this solution offers a robust, integrated approach to sustainable building energy management.

#### System Type

Photovoltaic-Thermal Hybrid, Building-Integrated (BIPV), Commercial Scale

## Technical Specifications

### Core Functions

- Electricity generation
- Thermal energy capture
- Water/fluid heating

#### Mounting Hardware

Heavy-duty metal framework for flat or low-pitch roof integration