

# Outdoor Inverter Transformer MV Station

This MV station integrates an outdoor inverter, transformer, and communication/monitoring system. It is designed for 1500V large-capacity centralized grid connections and is suitable for harsh environments.



## ADDITIONAL IMAGES



## Overview

### Integrated MV Station Solution

This integrated outdoor MV station combines a high-capacity inverter, transformer, and advanced communication and monitoring systems into a single, robust unit. Designed for 1500V large-scale grid connections, it significantly reduces initial investment costs while ensuring high performance. The system is engineered to withstand harsh environmental conditions, including high temperatures, humidity, dust, and salt spray, making it a reliable choice for demanding renewable energy projects.

## Input (DC)

Max. PV Input Voltage	1500 V
MPP Voltage Range	900~1300V
Number of MPPT Trackers	2

## Output (AC)

Rated AC Output Power	2*2500kVA@50
Max. AC Output Power	2*2875kVA@25
AC Voltage Range	20~35kV
Power Factor Range	>0.99 (0.8 lagging to 0.8 leading)

## Protection

### Optional Functions

Night SVG • Anti-PID

### System Protection Features

DC Input Protection, AC Output Protection, Overvoltage Protection (Type II), Leakage Current Monitoring, Grid Monitoring, Ground Fault Monitoring, Insulation Monitoring, Overheat Protection

## Efficiency

### Performance Efficiency

**99 %**

Max. Efficiency

**98.7 %**

EU Efficiency

## Transformer

Transformer Rated Power

5000 kVA