

Outdoor Inverter Transformer MV Station

This integrated system combines an outdoor inverter, transformer, and communication system into one unit. It is designed for centralized grid connection and can withstand harsh conditions.



ADDITIONAL IMAGES



Overview

Integrated MV Station Solution

This outdoor integrated MV station combines a high-capacity inverter, transformer, and communication/monitoring system into a single, robust unit. Designed for large-scale solar photovoltaic applications, it supports 1500V grid connections and is engineered to withstand harsh environmental conditions, including high temperatures, humidity, and salt spray. This solution provides a streamlined, cost-effective approach to grid integration.

Input (DC)

Max. PV input voltage	1500 V
Max. input current	3260 A
MPP voltage range	900~1300V
Number of MPPT trackers	1
Number of DC inputs	16~20

Output (AC)

Rated AC output power

2500 kVA
Rated Power

Max. AC output power	2875 kVA
AC voltage range	10~35kV
Grid frequency range	50Hz (45~55Hz), 60Hz (55~65Hz)
Power factor range	0.8 lagging to 0.8 leading

Efficiency

Efficiency Ratings

Metric	Value
Max. efficiency	99.00%
EU efficiency	98.70%

Protection

Safety & Protection

DC Type II Surge Protection • AC Type II Surge Protection • Leakage Current Monitoring • Grid/Ground Fault Monitoring • Insulation Monitoring • Overheat Protection

Transformer

Transformer Rated Power	2500 kVA
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