

# Photovoltaic Inverter for Solar Power Conversion

This photovoltaic inverter converts DC power from solar panels into AC power for grid connection or off-grid applications. Engineered for efficiency and reliability, it features advanced power conversion technology and user-friendly monitoring capabilities.



## Overview

### High-Efficiency Solar Power Conversion

This photovoltaic inverter is engineered for reliable DC to AC power conversion in both grid-connected and off-grid solar energy systems. Featuring a robust stainless steel enclosure with an IP65 protection rating, it is built to withstand diverse environmental conditions, including both indoor and outdoor installations. With multiple independent MPPT channels and an isolation transformer design, this unit ensures optimized power generation and system stability.

## Performance

### Maximum Efficiency

**94.5 %**

Efficiency

MPPT Channels	2 channels
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## Physical & Environmental

### Protection Class

IP65

Enclosure Material	Sealed stainless steel
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Operating Temperature	-25°C to 50°C
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## Installation & Design

### Installation Features

- Plug-in cable system
- Quick and easy installation
- Isolation transformer design

## Certifications

Compliance Standards	CE, VDE-0126, AS4777, DK5940, G83, UL1741
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