

# Solar Inverter 6-30kVA

The solar inverter efficiently converts direct current (DC) electricity from solar panels into alternating current (AC) electricity. It is suitable for powering homes, businesses, and feeding into the electrical grid.



## Product Overview

### TYN1100 Series Solar Inverter

The TYN1100 series is a versatile, intelligent solar inverter range designed for single-phase power applications from 6kVA to 30kVA. By integrating an MPPT solar controller, charger, rectifier, and inverter into one system, it offers seamless energy management between solar, grid, and battery sources. Its advanced IGBT technology and multi-mode operation ensure high efficiency, reliable power delivery, and optimized energy savings for professional solar installations.

## Key Features

### Advanced Capabilities

- High efficiency 6th generation IGBT technology
- Dual work modes: Solar-Grid-Battery and Solar-Battery-Grid
- Comprehensive protection: over-voltage, surge, phase, overload, and thermal
- Intelligent communication via RS232 and RS485
- LCD monitoring of system parameters and event records

## Performance Metrics

### Operating Parameters

**6 kVA**

Minimum Power Rating

**30 kVA**

Maximum Power Rating

**11.2 V**

Battery Low Voltage Protection

**12.5 V**

Automatic Restart Voltage

## System Options

### AC Charging Current Options

- 0
- 3
- 6

### Configuration Options

SNMP Support, Dry Contact, Built-in Input/Output Meter, Battery Inspection Module