

# On-Grid PV Inverter 1.6/2.2/3kW

These string inverters utilize a patented topology for optimal performance in PV power systems. They convert DC power generated by solar panels into AC power suitable for residential or commercial use.



## Product Overview

### High-Efficiency On-Grid PV Inverter Series

This series of on-grid photovoltaic inverters offers reliable power conversion for residential and small commercial solar installations. Available in 1.6kW, 2.2kW, and 3kW models, these units feature a transformerless topology and high efficiency ratings of up to 97.8%. Engineered for durability, the inverters are housed in an IP65-rated enclosure, ensuring robust performance in diverse outdoor environments.

## Performance Metrics

### Key Performance Metrics

**97.8 %**

Max Efficiency

**99.9 %**

MPPT Efficiency

**60 °C**

Max Operating Temp

## Technical Specifications

### Technical Comparison

Specification	SF1600TL	SF2200TL	SF3000TL
Max DC Power	1700W	2350W	3150W
AC Nominal Power	1600W	2200W	3000W
Max Output Current	7.8A	11A	14.5A
Weight	13.6kg	13.9kg	13.9kg

## General Data

### Environmental Protection

IP65 • Climatic 4K4H

## Communication & Connectivity

### Communication Options

RS485, Bluetooth (optional), WiFi (optional)

## Warranty & Support

### Warranty Period

- 5 years standard
- 10 years optional
- 20 years optional