

CASE STUDY

Solar distributor installs Tigo optimizers at their Brazilian headquarters

Background

Stark Renováveis has used the Tigo TS4-A-O to mitigate energy lost due to shade on their corporate headquarters in São José do Rio Preto, Brazil. Their confidence in the Tigo solution drove the selection of the products for their own use. The Tigo solution gives installers and commercial system owners the freedom to choose their preferred inverters and panels along with the right features for optimized, monitored and PV safe systems.

The Stark Renováveis team chose a rooftop PV system with 405 Wp modules organized in multiple strings and using Goodwe grid-tied inverters. The optimum placement of the modules was on a roof bordering a large construction wall which would ordinarily lead to shade and a degradation of the output. To mitigate the problem of energy lost due to shade, Tigo TS4-A-O optimizers were deployed to ensure the best possible system performance.

"As a leading electrical distributor serving Brazil since 2010, we were excited to expand our offering into the growing solar market," according to Rafael Priuli, Owner and Operations Director, Stark. "The opportunity to install Tigo optimizers on our headquarters enabled us to simultaneously maximize the solar generation for our own usage and use the product to thoroughly understand the power of optimization in order to provide great service to our customers."

Stark Electric is an importer and distributor of industrial electrical materials that seeks to offer high quality products at competitive prices with superior service throughout the Brazilian market. Stark entered the solar market in 2018, offering equipment from suppliers such as Goodwe, Intech, and Canadian Solar, along with the Tigo TS4-A-O optimizers. Stark installed rooftop solar at their Central Brazilian headquarters in January of 2021 and commissioned the system at the end of February.

Working together

"We are excited to have Stark Electric promoting our product portfolio to the Brazilian market", said Jurgen Krehnke, Tigo's Chief Commercial Officer. "South American countries, and Brazil in particular, offer tremendous solar potential and this collaboration with Stark will lead the way. There is no stronger vote of confidence than putting an installation on your own roof and Stark Electric are on their way to realizing tremendous opportunities for both our companies."

SITE NAME & DISTRIBUTOR



CUSTOMER TYPE

Commercial

LOCATION

São Paulo, Brazil



FEATURES

Optimization
Monitoring
Safety (rapid shutdown)



TIGO EQUIPMENT

Tigo TS4-A-O

Cloud Connect Advanced

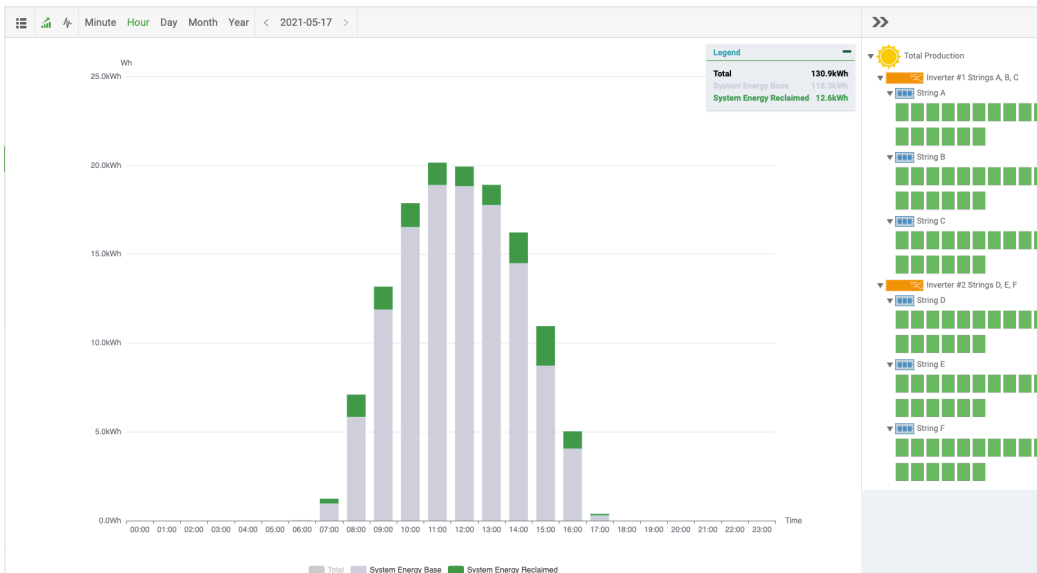
Tigo Access Point

Contact us

<https://www.tigoenergy.com/contacts>

Copyright Tigo Energy, Inc. 2021

Tigo®



Tigo Monitoring displays the "Reclaimed Energy" from its optimizers as stacked green bars (left) to show hourly energy generated.



Goodwe string inverters are used. Tigo TS4 Flex MLPE work with the largest network of inverters.

Tigo Energy provides flexible solutions that increase energy production of PV systems with optimization, decrease operating costs with remote monitoring and enhance safety with rapid shutdown capabilities. Tigo is different because it gives its PV customers the power to choose the right features and the right inverter for a tested and certified solution at the equipment and system level that maximizes the benefit for their installation.

About Stark Electric

Stark Electric emerged in 2006 in Shanghai in China as a Trading Company, which created great business partnerships with companies in the Electrical sector. In 2010, aiming exclusively to serve the electric market Brazilian industrial sector, they inaugurated their first distribution company in Brazil, in the city of São José do Rio Preto, São Paul. Understanding that the future of Electrical in the world is sustainable, in 2018 they created the Stark Renováveis, a brand specifically for the purpose of actively contributing globally to the transition from fossil fuels to renewable energies. Embracing the clean energy culture and offering sustainable solutions to minimize environmental impacts is important to Stark through Photovoltaic Electrical Engineering Projects Customizable.

<https://starkrenovaveis.com.br/>

Summary

- Site capacity: 38.88 kW
- Modules: 405 W DAH Solar Monocrystalline
- Goodwe GW15KLV-DT inverter
- 96x Tigo TS4-A-O optimizers

Images courtesy: Stark

Contact us

<https://www.tigoenergy.com/contacts>

Copyright Tigo Energy, Inc. 2021

Tigo®