

# SUNRANCH SOLAR NEWSLETTER

ISSUE 007.2026

[www.sunranch.solar](http://www.sunranch.solar)

MAY 2026

## The Sun and Granite, Nature's Own Thermal Energy Storage (TES) System, have been in Business Together for a While. **GRANITI TECNICA MADE IT OFFICIAL.**



### THE COMPANY THE SUN HELPED BUILD

Graniti Tecnica ([www.granititecnica.com](http://www.granititecnica.com)) is a specialist supplier and fabricator of premium granite, marble and natural stone serving residential, commercial, and industrial clients across the globe. Alongside its sister company Marble Classic, the group delivers precision-finished stone products to some of the world's most exacting projects.

Every slab they cut, every surface they finish, began its life deep underground - shaped over many years by the same heat the sun delivers. It is, in every sense, similar to a solar product. It was only a matter of time before the factory producing granite products converted to renewable energy.



### A PARTNERSHIP OLDER THAN TIME

"Energy is often stored in large batteries when not needed. A lower tech alternative is thermal energy storage which collects energy as heat and when released, the heat can power a generator to produce electricity. Rocks such as granite and soapstone are specifically formed under high heat and found across the globe which might make them favourable TES materials".

Long before the first stone was cut or the first factory built, the sun and granite were already in business together. The sun supplied the heat. Granite absorbed it, held it, and endured. This unique property has made granite ideal fireplace surrounds, outdoor cooking surfaces, kitchen countertops and thermal energy storage surfaces.

Read the full research: ACS Omega, 2023



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## FORMALISING THE PARTNERSHIP

SunRanch Solar designed and installed a **340 kWp** rooftop solar PV system paired with a **1.5 MWh** Battery Energy Storage System at Graniti Tecnica's factory – engineered specifically around its load profile, production schedules, and operational demands.

The solar array comprises 548 high-efficiency 620 W LONGi panels, selected for their proven performance in South African conditions: high irradiance tolerance, strong output in elevated temperatures, and long-term durability. At the centre of the system are two Huawei inverters, managing the flow of the energy between the solar array, the batteries, and the factories' distribution board – ensuring solar power is always prioritised and grid energy only drawn when needed.

The Battery Energy Storage System ("BESS") – seven Huawei LUNA2000 – 215 kWh batteries – is what transforms this from a solar installation into a true energy independence solution. Capable of delivering 752kW of continuous power, the batteries keep Graniti Tecnica's factory through grid outages, while storing surplus solar energy for deployment during peak tariff windows.



By day, the solar array harvests energy from the same sun that forged Graniti Tecnica's raw materials. By night the batteries hold the line. The sun does its part. The system does the rest. The facility keeps moving.



## IN THEIR OWN WORDS

"Quality and reliability are non-negotiable in our business – and that has to extend to how we power it. SunRanch Solar took the time to understand our operations, and provided a renewable energy solution built around our specific needs" said Mr. Franco D'Agnolo, CEO | Graniti Tecnica and Marble Classic| [www.granititecnica.com](http://www.granititecnica.com).

## WHAT THE PARTNERSHIP DELIVERS

The sun has always been a reliable partner. For Graniti Tecnica, that reliability now translates directly into measurable business value.

**Reduced energy costs** – Solar generation during standard production hours significantly reduces Graniti Tecnica's dependence on expensive grid electricity during day time hours. Surplus energy stored in the BESS is deployed during peak tariff periods, stretching every rand of solar output further.

**Uninterrupted production** – The granite doesn't stop being granite when the grid goes down – and now, neither does Graniti Tecnica's factory. The BESS ensures production continues through grid outages, protecting output, protecting deadlines, and protecting revenue.

**Energy Independence** – Graniti Tecnica now generates, stores, and controls their own power – no longer subject to tariff hikes, supply instability, or the unpredictability of the national grid. The sun shows up every day. So does their power supply.

**A return built over decades** – Granite is not a short-term material. Neither is this investment. Like the stone Graniti Tecnica has built its reputation on, this system is designed to perform for decades – quietly, reliably, delivering returns long after payback, every morning the sun rises.