



P4q solar tracking system

Why should you choose p4q's suntrack solar controller?

P4Q's Suntrack leads in solar controllers with maximum energy efficiency, lower LCOE, and specialized support services.

Who is p4q electronics?

Founded in 1999, P4Q Electronics is a global leader in PV solar tracker controllers. Since its launch in 2007, Suntrack® has been deployed around the world to maximize energy yields, improve the reliability of PV single-axis trackers, and enable customers to remotely monitor, in real-time, solar panel fields around the globe.

What makes p4q unique?

P4Q has strengthened its technological DNA by developing a wide range of proprietary products and services that merge 25 years of expertise in electronics along with the latest technologies such as Big Data and Cloud Analytics. Suntrack® is the world's leading PV Solar Tracker Controller to maximize solar production.

What is a p4q tracker controller?

Suntrack® by P4Q Tracker Controllers contribute towards a greener more sustainable future. Qassay®, a P4Q company, developed an Advanced Digital Lateral Flow Readers (LFR) with the combination of spectral sensor technology, creating a highly accessible, precise medical diagnostics solution, achieving higher accuracy in detection.

How does p4q's suntrack work?

P4Q's Suntrack primarily uses the Digi XBee 3 module within its integrated Tracker Control Unit, carrying data at 2.4 GHz speeds. All of the functionality is housed in a rugged enclosure that contains the power unit, motor driver, and a micro-controller device.

What does p4q do?

P4Q creates what would become the firm's first branded product, and the first Tracker Controller of its kind, Suntrack®, an intelligent surface mount tracker controller used in devices that track the sun to create more energy for different solar technologies. P4Q sets an effective R&D Team at the AIC Center near Bilbao, in Basque Country.

The completion of Kinematics' acquisition of P4Q marks an exciting chapter in solar tracker technology development. By combining their strengths and expertise, these two ...

P4Q is maker of the Suntrack solar tracker controller (shown below), which the company says provides flexible integration and helps clients reduce LCOE and maximize energy yield production. ... GameChange



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Solar will supply its GeniusTracker 3.0 1P single-row systems for the 405 MWp PV project in Khavda, Gujarat. Gensol Engineering to sell US ...

Suntrack provides a cybersecure and adaptive system designed to achieve a +99% tracking uptime and obtain a low LCOE. Our ecosystem consists of an extensive ...

Kinematics, a motion control manufacturer, has signed a definitive agreement to acquire P4Q, a company specializing in solar tracker controllers, Kinematics acquiring global solar tracker controller manufacturer P4Q - News Solartex

Founded in Europe in 1999, P4Q Electronics is original design manufacturer (ODM) of proprietary PV Solar Tracker Controllers (Suntrack®), for which we are the market leaders and high precision diagnostic tests (Qassay) ...

P4Q, the parent company of Suntrack, has specialized in the engineering and manufacturing of electronic products and systems for high demand industries since 1999.. The mix between innovation and knowledge and leveraging P4Q's extensive experience in HW and SW development, gave birth to our Suntrack product line: the most flexible and reliable single ...

We provide our customers a comprehensive portfolio of advanced services during the solar PV site's entire life-span | Suntrack [Certificates] [Media Center] ... of Suntrack tracking control systems. ... P4Q USA, INC. · Production Plant. 5901 Office Blvd., Albuquerque, NM 87109, (USA)

Headquartered in Spain with operations in Europe and the Americas, P4Q specializes in the development of high-performance electronics for solar tracking controllers, with cutting-edge technology ...

Suntrack® by P4Q is the world's technology leader and industry innovator for PV Solar Tracker Controllers. Original Design and Manufacturer (ODM), we provide the complete Ecosystem with 3D Backtracking ® ...

Suntrack® by P4Q is the world's technology leader and industry innovator for PV Solar Tracker Controllers. Original Design and Manufacturer (ODM), we provide the complete Ecosystem with 3D Backtracking ® algorithm, and the Open Adaptive System with flexible integration, helping our clients reduce LCOE, obtain +99% Tracking Uptime and ...

By integrating P4Q's high-performance electronics portfolio--including over 1 million solar controllers deployed across 2,400 solar sites globally--with Kinematics' installed base of 2.9 million ...

Nevertheless, another step forward needs to be taken, to maximize production even in the most challenging terrains. Suntrack by P4Q, as the largest independent vendor of tracker control systems, has developed a revolutionary backtracking algorithm that boosts production even in the most irregular topographies, 3D



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Backtracking®.

About P4Q P4Q is a premier provider of IoT solutions, specializing in electronic devices, communication technologies, and cloud-based monitoring for solar tracking systems, medical diagnostic ...

Integration Establishes World's Largest Provider of Motion Control Technology for Utility-Scale Solar. Kinematics, a global leader in intelligent motion control, today announced the successful completion of its acquisition of P4Q integrating P4Q's high-performance electronics portfolio--including over 1 million solar controllers deployed across 2,400 solar sites ...

Kinematics has gained P4Q's expertise in full-stack electronics, including their market-leading tracker controls brand, Suntrack ®, to complement its innovative actuation systems.This ...

By integrating P4Q's high-performance electronics portfolio--including over 1 million solar controllers deployed across 2,400 solar sites globally--with Kinematics' installed ...

Suntrack® TCU (Tracker Control Unit) is the most reliable single-axis solar tracker controller. This device moves the tracker motor to follow the path of the Sun and thus optimize ...

The integration also introduces advanced tracking systems designed to enable asset owners to upgrade outdated systems seamlessly. P4Q's Innovations Enhance Kinematics' Offerings. P4Q brings a wealth of innovative technologies to Kinematics, particularly through its renowned Suntrack brand.

About P4Q P4Q is a premier provider of IoT solutions, specializing in electronic devices, communication technologies, and cloud-based monitoring for solar tracking systems, medical diagnostic equipment, and more. The company also supports industries such as railway and industrial electronics. Renowned for its commitment to innovation and high ...

In 2007, P4Q Electronics created their first product, called Suntrack, which is a computer component used in tracking devices that follow the sun to create more energy for different solar technologies. They recently created their second product, called Light Track that controls streetlamps in order to save energy.

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Kinematics on Feb. 4 said it will now integrate P4Q's high-performance electronics portfolio--which includes more than 1 million solar controllers deployed across 2,400 solar sites globally ...

PHOENIX, Feb. 04, 2025 (GLOBE NEWSWIRE) -- Kinematics, a global leader in intelligent motion control,



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today announced the successful completion of its acquisition of P4Q integrating P4Q's high-performance electronics portfolio-including over 1 million solar controllers deployed across 2,400 solar sites globally-with Kinematics" installed base of 2.9 million solar actuators, ...

Suntrack by P4Q, the leader in smart solar trackers, offers an integral ecosystem to maximize energy production with 1M+ TCUs and 50GW installed. ... Maximize a sua produção de energia solar com o nosso ecossistema de produtos e serviços avançados. Conte-nos o seu desafio! Descubra o ecossistema do Suntrack. ... A Unidade de Controle ...

P4Q has strengthened its technological DNA by developing a wide range of proprietary products and services that merge 25 years of expertise in electronics along with the latest technologies such as Big Data and Cloud Analytics. Let's talk! SOLAR PV INDUSTRY The most bankable solar tracker controller. Suntrack® is the world's leading PV Solar ...

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