

## Solar Energy South Africa

# Bosnia and Herzegovina satec powerful solutions



## Overview

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SATEC is a developer and manufacturer of specialty solutions for power measurement and power quality monitoring. The company's range of products includes traditional 3-phase power meters for real-time power measurement and data-logging, revenue meters (electricity meters), power quality analyzers and a software suite for energy management and billing. With headquarters in , Israel and subsidiaries in and in , SATE.

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### Expertpower EMS

Measure, Analyze, Optimize and Save  
Expertpower is a comprehensive energy management software suite offering a range of applications. These include Meter Data Management (MDM), billing, monitoring, business intelligence (BI), energy efficiency, demand response, in-depth power quality analysis, and support for core planning and forecasting processes of independent ...

### Introducing PRO PQ Class A!

The PRO PQ marks a breakthrough in SATEC's line of power quality analyzers. Adding to our familiar features of precision PQ analysis, the PRO Analyzer offers: Class A, Ed. 3.1, per IEC 61000-4-30; EN50160 reports; Our Solutions. About SATEC. We ...



### **Energy Efficiency and Energy Management Solution**

SATEC's Energy Saving solutions help reduce costs and enhance efficiency. Discover tools for energy monitoring, maintenance, and More! This is where SATEC offers a full monitoring solution, enabling the optimization of industrial ...

### Renewables & Generation

Discover SATEC's Renewables & Generation, an energy management solutions for optimal

performance and sustainability. Dive into how Renewables & Generation can transform your energy management. Renewable energy also entails unique challenges such as the prevalence of DC power systems and more. These PV farms or wind farms are often related



## AIKO's High-Efficiency Modules Dominate Bosnia's ...

This agreement confirms that the entire remaining capacity will use AIKO's high-efficiency ABC Stellar Series modules, which exceed 23.9% efficiency. Once completed, this installation will become the largest utility ground power station

...

## EDL180

Portable (Class A, Ed. 3) PQ Analyzer. The EDL180 is a portable version of the Class A (Edition 3) PM180 power quality analyzer, which holds extensive track record serving as the platform for power quality monitoring systems in worldwide national grids. Equipped with a 24V battery for backup power supply and flexible current clamps, it is fitted in a lightweight traveling bag for ...



## RGM180

RGM180-G3. Featuring all the G1 characteristics, the RGM180-G3 is used as a remote monitor for reading and controlling up to 32 units of any compatible SATEC devices (see Highlights tab) over RS-485, or up to 36 SATEC devices over 10/100 Base-T Ethernet.. This screen model must be Powered over Ethernet (PoE) or via an



external power supply (supplied with unit).

## USAID Launches New Energy Sector Assistance Project ...

2 ???· The U.S. government yesterday kicked off a new U.S. Agency for International Development Energy Policy Activity (USAID/EPA) project in Bosnia and Herzegovina. The five-year, \$9.9 million USD project will continue the ...

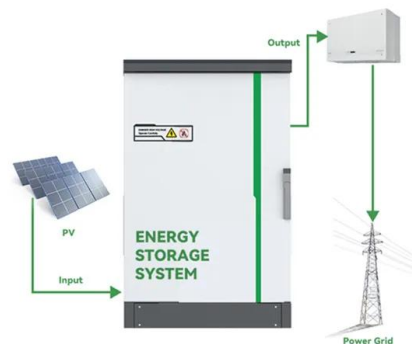


## Billing & Revenue Metering

maximum power demand; Such factors ultimately affect the main bill, presented by the utility to the initial buyer: property management. A single user can be responsible for a surcharge. Solutions: SATEC meters and software determine the individual components and users affecting these costs. This prevents management defaulting to foot surcharges

## Chinese-led consortium to build desulfurization unit ...

2 ???· The facility should ensure cleaner air in Bosnia and Herzegovina. The agreement on the construction of the flue gas desulfurization unit at thermal power plant Kakanj was signed by Sanel Buljubasic, general manager of ...





## [Power Quality Analysis](#)

Power quality monitoring has been SATEC's core expertise since its foundation. Over the years our solutions have evolved to include numerous helpful features and advantages within the field of power quality analysis: Class A, Ed. 3 certified analyzer; Fast transient detection; Disturbance Direction Detection (see note below)

## [Expertpower for Small Utilities](#)

Utilizing cloud based solutions for small to mid-sized utilities Our software platform delivers IOU-level capabilities at a price/performance level optimized for municipal utilities and rural electric coops (RECs); provides tools to enhance system efficiency, optimize operational costs, protect revenue and improve customer service.



## **Resources and Case Studies in Energy Management**

SATEC's Knowledge Center offers the latest in-depth insights & case studies in energy management, PQ, and energy solutions. Metering Direct Current power systems. Ancillary Frequency Control. Stabilizing the Grid with Battery Energy Storage. Renewable Energy. SATEC's unique solutions for Renewable Energy Management. PM180 DFR/PMU. SATEC

## [SATEC Announces the PRO Series](#)

The PRO series is SATEC's newest, cost-effective line of power meters for advanced power applications, including waveform recording and AC/DC power metering. The compact PRO Series meter is available as the PM335 panel mount form factor design and ...



## [Power Plant Automation Retrofit](#)

Power Plant Automation Retrofit. MSEL, SATEC's partner in Mongolia, a well-known company in the Mongolian energy market, designed and built the first modern system in the country for fault recording and analysis. This was supplied along with general control and high accuracy energy metering, focused on system quality and reliability.

## [Direct Current Power Metering](#)

As modern electronics consume DC current, entire ecosystems, such as data-centers, are often designed for DC power, to avoid multiple inversion. To this end SATEC has developed a unique platform for the accurate metering of DC systems.

Our Lifepo4 batteries can be connected in parallels and in series for larger capacity and voltage.



## [Leading Innovation in Energy Management](#)

SATEC was one of the first companies to pioneer this field, introducing one of the very first digital power meters, and ever since SATEC has made its priority to lead and innovate. For over 35 years now, prominent global utilities and industrial leaders have made SATEC their go-to choice, for both off-the-shelf and bespoke

solutions, for

## BFM136

Cost-effective: saves drastically on installation costs and space occupied by dozens of legacy meters. Multi-circuit: multi-load metering. up to 12 three-phase loads; up to 34 single-phase loads; various combinations of the two; Revenue Meter: Class 0.5/0.5S accuracy per ANSI C12.20 / ...



### Home Energy Storage (Stackble system)



- Product Introduction**
- Scalable from 10 kWh to 50 kWh
  - Self-Consumption Optimization
  - Integrated with inverter to avoid the compatibility problem
  - LFP battery, safest and long cycle life
  - Stackable design, effortless installation
  - Capable of High-Powered Emergency-Backup and Off-Grid Function

## Digital Substation Solutions

For over a decade SATEC has pioneered the implementation of this advanced communication protocol, starting with its flagship, the PM180 power quality analyzer. Ever since, SATEC has set the goal of implementing IEC 61850 in its leading products, new releases, as well as legacy products. See below SATEC products featuring IEC 61850.

## Energy Efficiency and Energy Management Solution

SATEC's Energy Saving solutions help reduce costs and enhance efficiency. Discover tools for energy monitoring, maintenance, and More! This is where SATEC offers a full monitoring solution, enabling the optimization of industrial processes, HVAC spending in commercial and public facilities and many other consumption channels, common to all



## Renewables Readiness Assessment: Bosnia and ...

This Renewables Readiness Assessment (RRA),

developed by the International Renewable Energy Agency (IRENA) in close cooperation with the Ministry of Foreign Trade and Economic Relations (MoFTER), aims to support Bosnia ...



## PMU PRO

IEEE C37.118.1-2011, IEEE C37.118.1a-2014 and IEC/IEEE 60255-118-1:2018 P-Class and M-class performance compliance; IEEE C37.118.1 compliant three-phase voltage, current, and positive and negative sequence phasor measurements synchronized to a ...



## PMU

Power: True RMS volts, amps, power, power factor, neutral current, angles and unbalance for voltage and current, frequency, symmetrical components and many more; Event and parameter data-logging; Sampling frequency: up to 1024\* samples per cycle; KYZ or KY output and LED indication for calibration and test (via optional display)

## PM175 Compact Power Quality Analyzer ( PQA )

a compact, multifunctional 3-phase power and revenue meter ( PQM ). It's perfect for high-performance power quality monitoring and analysis SATEC provides a unique metering solution, by adapting the 17x series analyzers to interface with these sensors for high-accuracy measurement. Solutions. Energy Efficiency;



## Billing & Revenue Metering;

Energy storage(KWH)

**102.4kWh**

Nominal voltage(Vdc)

**512V**

Outdoor All-in-one ESS cabinet



## Wide Area Monitoring Systems

The requirements for this tracking have been regulated in the IEEE C37.118 Standard for Synchrophasor Measurement for Power Systems. SATEC has entered this advanced field of solutions, offering a Phasor Measurement Unit, or PMU in short, as a module for the PM180 power quality analyzer. Complying with both P-Class and M-Class requirements, and

## BFM-II Retrofit Fault Recording

SATEC Adds Digital Fault Monitoring to its BFM-II Branch Feeder Monitor BFM-II - a field-proven, simple to install and cost-effective upgrade for outdated substation gear; new Digital Fault Recording (DFR) functionality enhances the BFM-II's substation monitoring capabilities.



## Public Facilities

A Unique Segment. When it comes to energy management, the public sector is quite unique within the range of energy consumers. Industrial facilities have a clear demand for lowering energy spending which is often the largest production expense, clearly impacting the cost of production and profitability.

## Contact Us

For catalog requests, pricing, or partnerships, please visit:

<https://ian-solar.co.za>