



Solar O&M Management System

As solar generation applications continue to evolve, ensuring stable equipment operation and maximizing generation efficiency have been a main concern for owners. The platform integrates AI-driven O&M technology with precise data analysis to provide comprehensive equipment monitoring, real-time anomaly detection, and intelligent maintenance recommendations. This reduces operational costs and significantly enhances overall power generation efficiency.

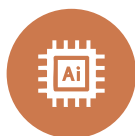
 **Tailored Services & Effortless Revenue Management**

 **AI Predictive Maintenance & Real-Time Data Monitoring**

 **Integrated 161/69/24kV Substation Information**



6 Key Functions



AI-Powered Precision O&M

Leveraging AI technology with thermal mapping and automated alerts, the system accurately identifies equipment issues and provides O&M recommendations, enhancing stability and operational efficiency.



Event Management

Real-time anomaly monitoring, instant alerts, and automated protective measures prevent further damage.



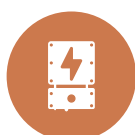
Booster Station Information

As a primary infrastructure for power transmission, the platform provides a clear and intuitive interface for real-time voltage and operational status monitoring, ensuring stable power delivery.



Analysis & Statistics

Through data analysis and trend forecasting, accurately diagnose issues and optimize O&M processes.



Reactive Power Control

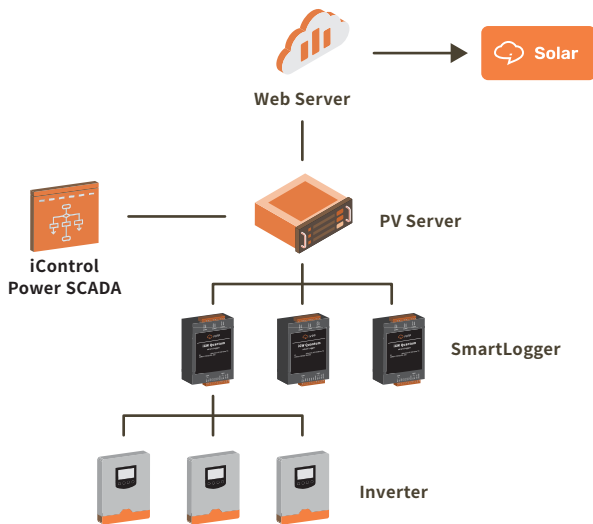
Achieve reactive power control through inverters, precisely adjust reactive power, help stabilize grid voltage and reduce fluctuation risks.



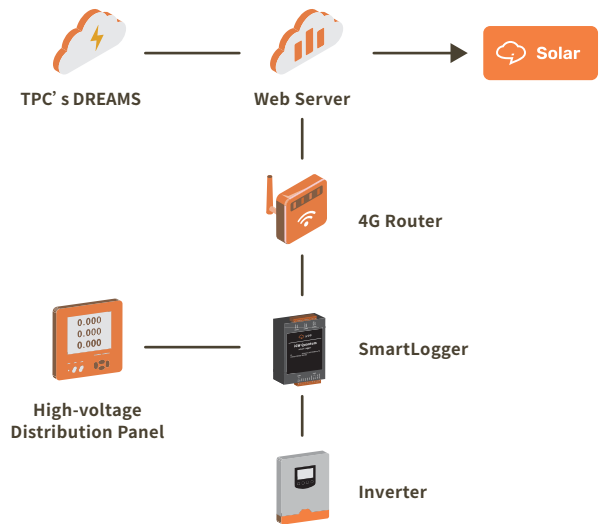
Operation Log

Records all operations and events, facilitating issue tracking, improving O&M efficiency, and ensuring safety management.

System Architecture



**Transmission-level (161/69kV)
Solar Power Plant**

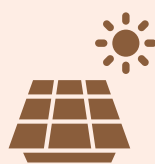


**Distributed-level (24/11Kv)
Solar Power Plant**
Supports TPC's DREAMS Functionality

Application



**Rooftop
solar panels**



**Ground-mounted
solar panels**



**Floating
solar panels**

Success Cases



**Government
agencies**



**Electric power
companies**



**Solar O&M
services companies**



**Enterprise
users**



**Factory
users**



加雲聯網
Intelligent Cloud Plus

service@icp-si.com

**Kaohsiung
Headquarters**

Taipei Office

Taichung Office

8F., No. 2, Zhonghua 4th Rd., Lingya Dist., Kaohsiung City
802031, Taiwan (R.O.C.)
TEL: 886-7-222-9669

2F., No. 271, Chongyang Rd., Nangang Dist.,
Taipei City 115010, Taiwan (R.O.C.)
TEL: 886-2-2651-0529

10F.-3, No. 658, Sec. 3, Taiwan Blvd., Xitun Dist., Taichung
City 407604, Taiwan (R.O.C.)
TEL: 886-4-2320-3052



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**Company
Website**