

Energy Storage System / Solar PV Grid-Connected Inverter / Solar Smart Cloud Management Platform

Effectively Maintain the Continuity and Stability of Electricity

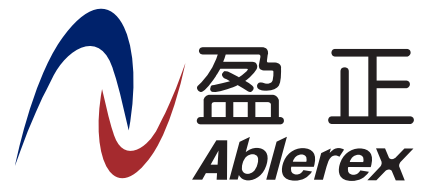


▶ About Ablerex Electronics

Ablerex Electronics Co., Ltd. was founded in 1994. At the initial stage, Ablerex Electronics was committed to providing on-site technical services for Uninterruptable Power System (UPS) and power conversion equipment. After 2000, it gradually moved towards design and manufacturing of its own power electronics products. In addition to the original UPS system, other product lines have also been expanded, including Active Harmonics Filters, Wireless Battery Monitoring, Power Monitoring and Power Management Systems. At present, Ablerex Electronics is no longer simply a provider of power generation equipment, but also assists in stabilizing the power grid and raising the penetration rate of new energy. In 2018, the company was awarded a Certificate of Voluntary Product Certification (VPC) by the Bureau of Standards in the field of solar PV inverter supply. Ablerex Electronics will continue to develop large-scale industrial and commercial energy storage systems and small household energy storage system converters, and become an excellent energy total solutions provider in the field of industrial applications and information applications while maintaining the firm's sustainable development and proactively expanding into overseas markets.

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▶ Product Introduction

Energy Storage System

The Ablerex Electronics energy storage system stores excessive solar power during the day and releases electricity to the household load during the night. It can be integrated into the existing on-grid power generation system such as solar power generation equipment or self-built generators. The two-way DC converter used within the system greatly improves the overall efficiency. Furthermore, an isolated and safe low-voltage system is used to boost the battery stability. As the machine is a one-piece design, therefore it is easy to install.



High conversion efficiency



Uninterruptible power supply



Smart charging



Photo of Energy Storage System

Solar PV Grid-Connected Inverter

The Solar PV Grid-Connected Inverter of Ablerex Electronics are used for series connection of converter groups within the power generation field to produce series IV curves. In this regard, the operator can use the abnormal curve data detected to find solar panel series with poor power generation, quickly and effectively help operation and maintenance personnel eliminate the abnormality, and avoid the situation of rapid aging and damage caused by the delay of solar panel modules maintenance due to traditional management methodology.



Good weather resistance



High-power and lightweight



Automatic energy saving



Photo of Solar PV Grid-Connected Inverter

Solar Smart Cloud Management Platform

Recently, Ablerex Electronics has released a Solar Smart Cloud Management Platform to assist numerous Taiwanese SME solar PV system integrators and users to take control of the operation and maintenance (O&M) of their individual projects. In addition, the cloud management platform can automatically perform software upgrade and adjust parameters, which greatly reduces labor costs and raise investment returns.



Smart monitoring management

Adopt information visualization and keyword search to facilitate quick review of multiple projects.



APP push notification

With the APP push function, managerial mobility performances could be greatly improved by rapidly acknowledging the information and its status.



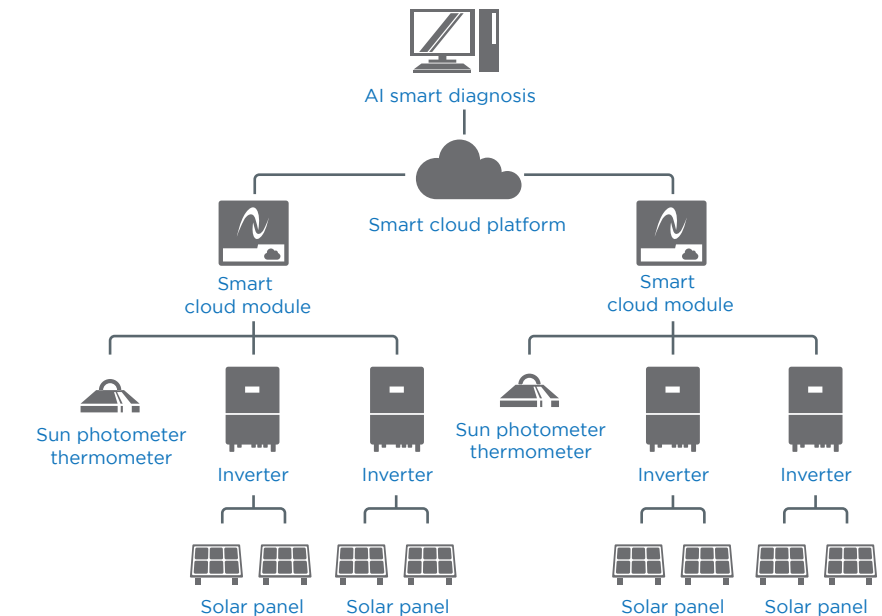
Benefit analysis interface

Possess an independent performance ratio (PR) page and financial benefit report to analyze the power generation performance and benefit of a power plant.



Safe and reliable

Data storage uses disk arrays for fault-tolerant backup to ensure that relevant data is not lost or damaged.



Schematic Diagram of Solar Smart Cloud Management Platform

