



## XY Cases | A Journey with XY Power Module

### In this hot Summer

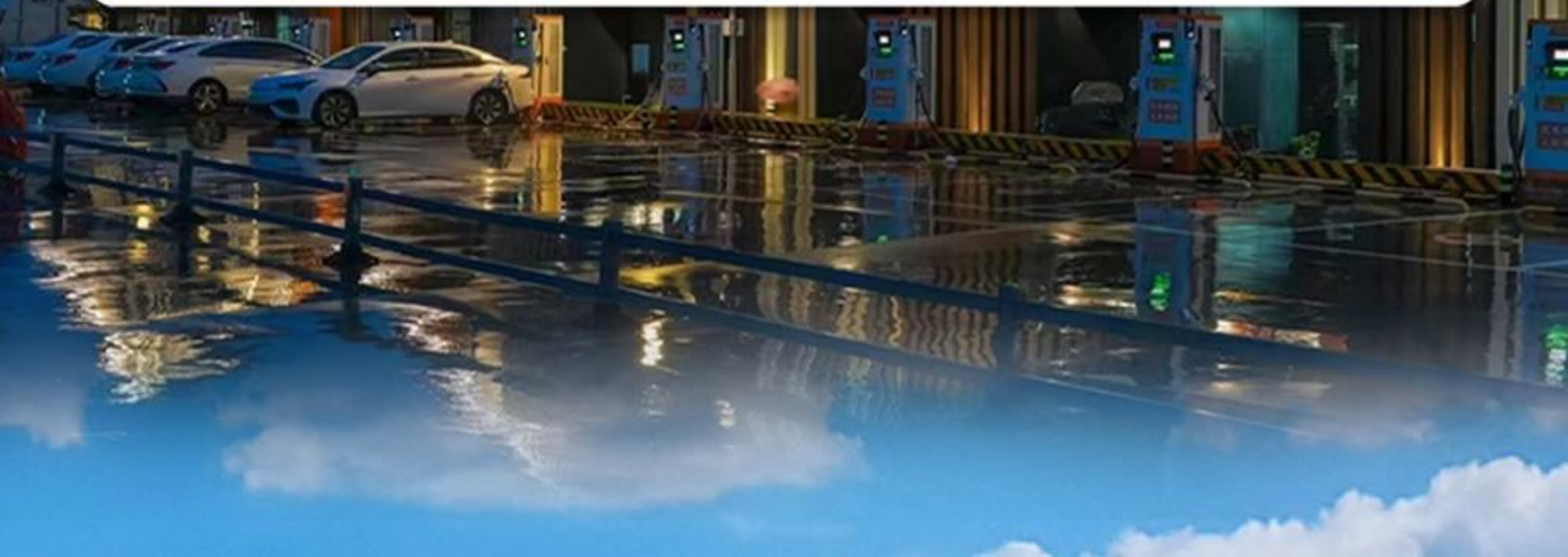
People gathering in the train stations, airports and other popular sites in major cities brings big challenges to the traffic and power supply.

Passenger vehicles are traveling between these places very often with in-vehicle cooling system, with frequent demand for energy. And the demand for charging facility is increasing rapidly due to the huge consumption of electricity.

### Xianyang Airport, Xianyang City

**Location:** 108°77 'E, 34°44'N


In the charging station of Xianyang Airport, the XY Power 30kW power modules have been running stably for more than 10,000 hours.



## XY Power Modules are the right choice


Most airports are located in relatively remote areas, and commercial vehicle owners prefer to take passengers in the return journey. So the drivers will choose to re-charge the vehicles while waiting for customers. And the charging station turnover rate of transportation stations is relatively higher. Therefore, the power modules are required more efficient and stable conversion.

Meanwhile, the airport is locating in a place with temperate semi-humid continental monsoon climate. Four distinct seasons, hot and rainy summers, and cold and rainless winters. So the power modules are highly required with good environmental adaptability and reliability.



XY Power modules are subjected to a variety of reliability tests during the research and development phase for more than 15 environmental adaptability tests :

### Reliability R&D Testing



operation test in low temperature environment, high temperature and high humidity environment; storage test in high-temperature and high humidity, alternating humidity and heat cycles; operation test in high-temperature; aging test in high temperature for 48-hour under full-load; cyclic operation monitoring in high and low temperature, and temperature-rise inspection.



### Smart Management with **X Manager**

XY Power module has the function of best efficiency tracking, the modules can upload the best efficiency point under various working condition, and then achieve the optimal efficiency of the charging system under different ambient temperatures through the X Manager strategy adjustment, and improve the overall efficiency of the charging stations.

Equipping with **X Manager** O&M platform by XY Power, assists the charging platform to take the initiative to warn of module failures, and can realize intelligent diagnosis, which can realize the maximum guarantee for the reliability of the system equipment under special conditions.

Today, XY Power's modules have delivered a total of more than 3600GWh power to ten millions of electric vehicles that satisfying 16.2 billion kilometers of green travel.

Equivalent to **saving 930k Tons fuel, reducing CO<sup>2</sup> Emissions 2.7M Tons, and planting 160M trees.**

Striving on the best **Value Creation**  
Making **Energy Greener and more Stable**



[www.xypower.com](http://www.xypower.com)

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