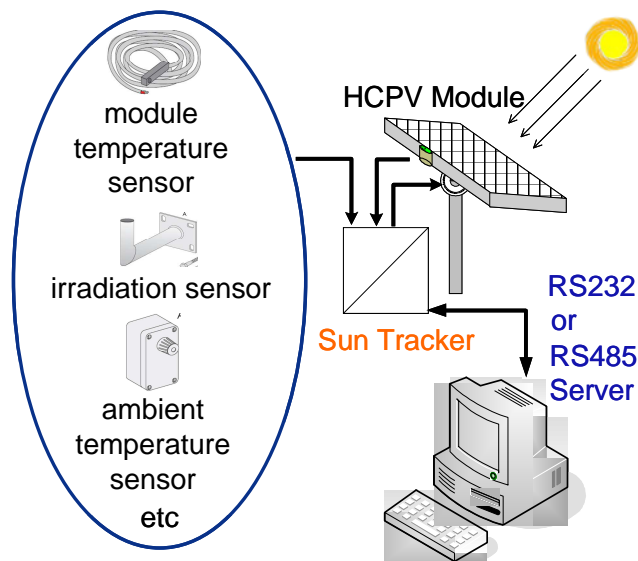


## Spirox HCPV Systems

Spirox is dedicated to developing leading-edge solar energy innovations and applications to provide clean and affordable energy solutions. We provide High-Concentration Photovoltaic (HCPV) systems for energy-saving, cost-cutting and high-efficiency power generation while pursuing the balance of cost, performance and reliability. As a system integrator, Spirox provides their customers with world-class products and service quality in the fields of solar PV, wind and other green energy applications.



**HCPV and Tracking Systems**

### Sun Tracker

- Sun Tracking Controller
  - Manual/Auto Control Modes
  - 110 VAC/60Hz
  - Power Consumption < 20 Watts
- Sun Position Sensor
  - Simple and Accurate Design
  - Accuracy of the Sensor :  $\pm 0.1^\circ$  (@DNI > 500 W/m<sup>2</sup>)

### Remote Control Sever

- RS232 / RS485
- Remote Parameter Setting
- Remote Monitoring & Control
- Remote Boot Loader

Spirox's HCPV system is now commercially ready with credible references. Consisting of a Fresnel lens, high-efficiency GaAs cells, a PV module and a precise tracking system, the power-plant grade HCPV system was co-developed by Spirox and NCKU. Our valuable offerings include the system's mechanical tracker/sun-tracking controller, remote monitoring and control system, sun-position sensor and HCPV power management systems. Furthermore, effective AC-moduled converter/inverter systems are under development to facilitate the integration of multiple renewable energies. Spirox also provides custom-made product design and manufacturing for on-grid and off-grid PV applications.

***Clean and Affordable Solutions for a Green Future!***

Spirox is your best partner option offering low cost, high performance, world-class reliability for your solar/green businesses and applications to power an energy-saving future.



1.5kW Roof-top HCPV – Spirox,  
Hsin-Chu, Taiwan



5kW Ground Mounted HCPV –  
NCKU, Tainan, Taiwan