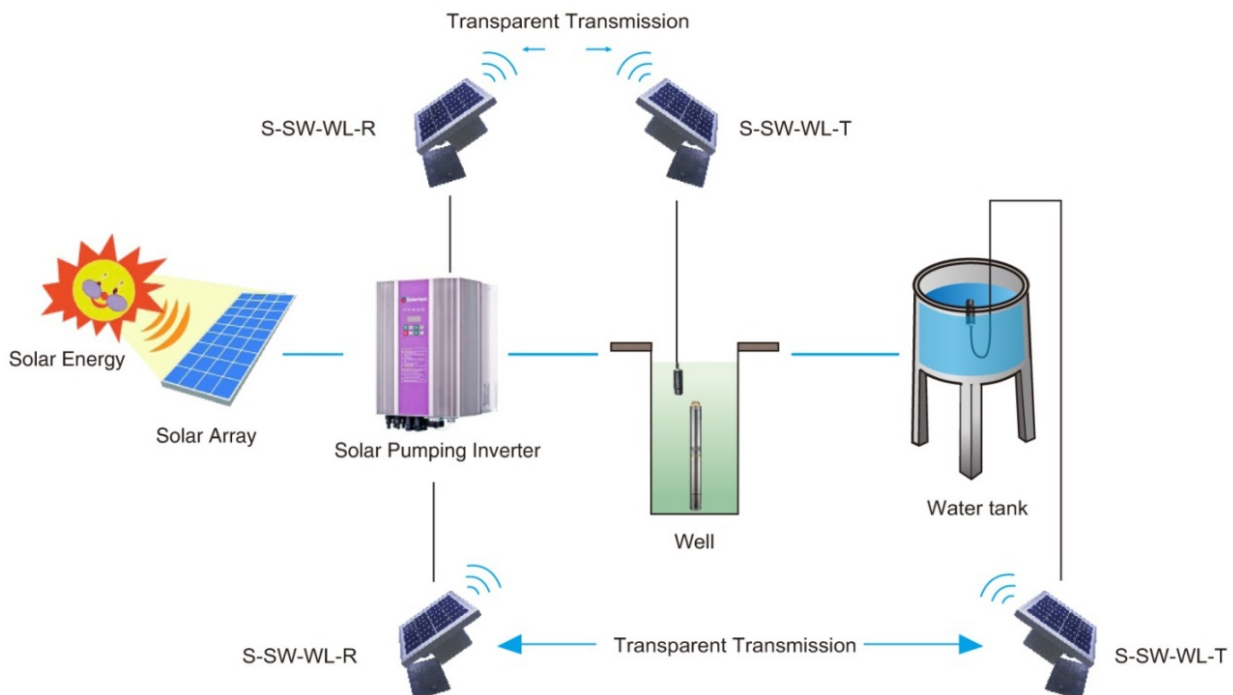


S-SW-WL Wireless Switch Module

Product Introduction

S-SW-WL Wireless Switch Signal Module is based on a point-to-point wireless communication module to realize long-distance transmission of switching signals. The longest effective communication distance can reach 2km.

The module includes a wireless switch signal sending module (S-SW-WL-T), and a wireless switch signal receiving module (S-SW-WL-R), each with a solar panel and a mounting bracket.



Product Features

- Applying advanced wireless communication technology, high communication quality, up to 2km effective communication distance;
- Industrial-grade design, applying high-performance industrial-grade chips and communication modules, stable and reliable;
- Independent solar battery power supply, operating in the daytime;
- Optimized power supply design, ensuring normal communication under poor light condition;
- -20°C~ +60°C wide ambient temperature range, suitable for harsh climate environment;
- IP54 protection grade, satisfying indoor and outdoor installation requirements;



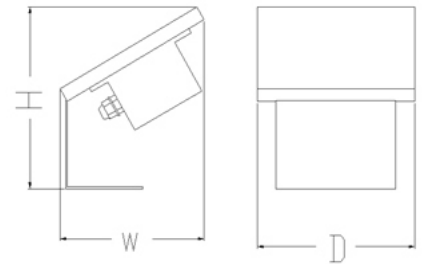
S-SW-WL Wireless Switch Module

Technical Specifications

Effective Communication Distance	≤2km
Solar Panel Power	3W
Solar Panel Vmp	6.0V
DC Power Input Voltage	4-28V
Standby Current	30-40mA
Working Current	200mA, peak current < 400mA (5V power supply)
Protection Grade	IP54
Ambient Temperature	-20~+60°C
Humidity	Daily average humidity < 90%
Altitude	≤3000m

Product Dimension

Sending/Receiving Module Installed Dimension (W×H×D)	170mm×205mm×185mm
Packing Dimension	355mm×280mm×225mm
Sending/Receiving Module Net Weight	0.3kg
Sending/Receiving Module Installed Net Weight (Solar Panel & Bracket Included)	1.3kg
Gross Weight	3.5kg



Product Applications

Long distance wireless transmission of water level signal in solar pumping system

- The sending module is installed at the water source or the storage side, sending water level status signal detected by water level switch to the receiving module;
- The receiving module is installed at the inverter side, receiving water level status signal and outputting switching signal to realize the water level detection function;

Long distance wireless transmission of other switching signals

- Remote manual control of the inverter startup and stop;
- Remote control of the inverter startup and stop via solar irradiance detection switch;