

# Sol-Flow Smart Valve

LORA based smart Irrigation valve for farming



## Get going with the Sol-Flow Valve for farm watering, your essential smart watering Assistant

The Sol-Flow smart irrigation valve boasts LORA communication and rechargeable batteries, with a detachable solar panel for additional power. It can easily replace standard valves on the market, thanks to its standard installation hole size.

With the convenience of remote control via our intuitive mobile app and web portal, this smart valve is perfect for a diverse range of applications including landscaping, greenhouse management, orchard irrigation, agricultural irrigation, and IoT flow control.

- Water-resistant design with protection class IP66 for outdoor installation.
- Real-time feedback of valve switch status
- Fault warning and low battery warning
- Multiple control functions including single/cyclic control, duration control, valve opening percentage control, and timed control

## How it work?

1

Install a smart 4G valve on any block or subblock you want to control and monitor



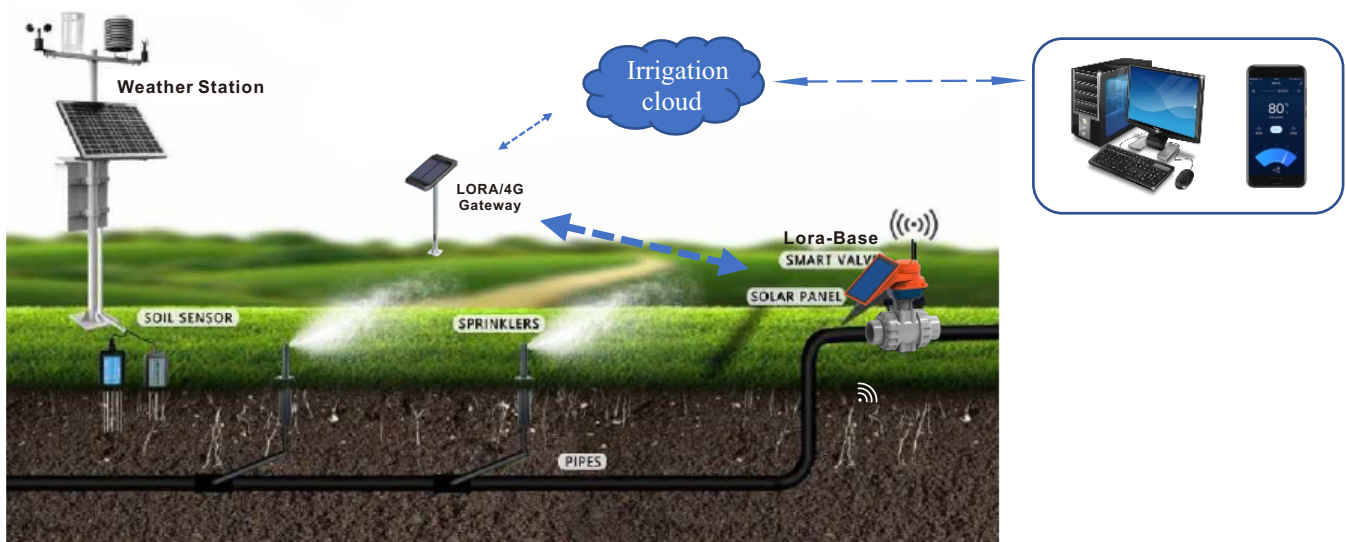
2

Schedule irrigations with iHING's intuitive irrigation management software

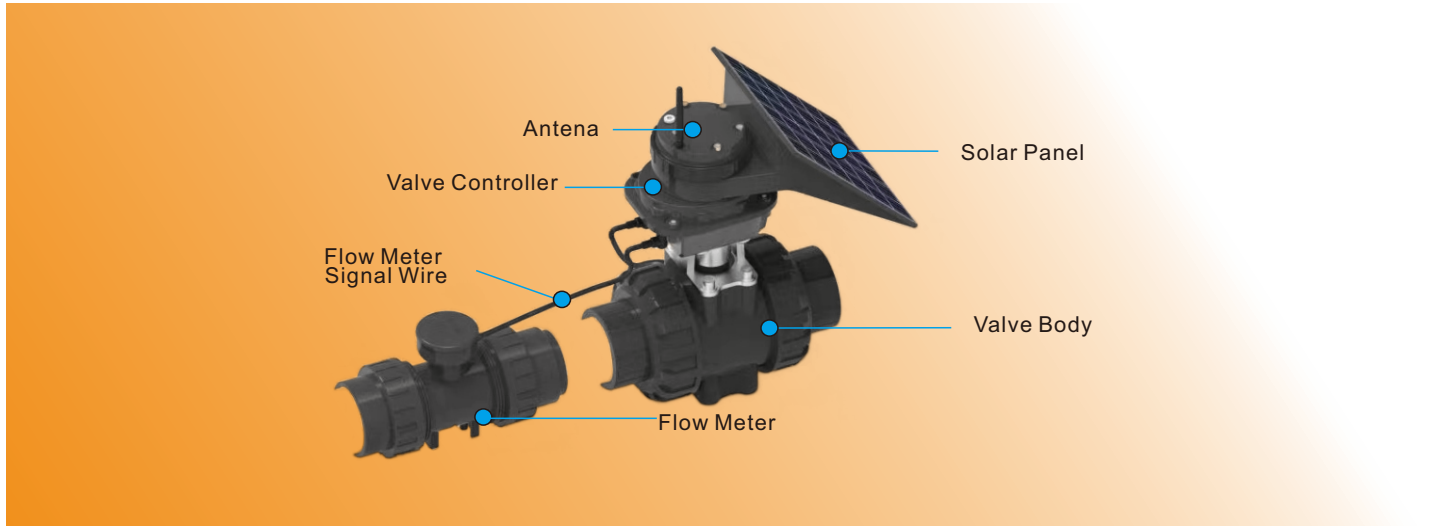


3

Smart valves run automatically while monitoring flow rate and water consumption



## Sol-Flow smart Valve Specification



Model No.	› MTQ-02F-L
Power Supply	› DC 5V/2A › Battery : 3200mAH(4cells 18650 packs) › Solar Panel:polysilicon 6V 8.5W
Consumption	› Data Transmit:3.8W › Block:25W › working Current: 65mA,sleep:10
Flow Meter	› working pressure : 5kg/cm <sup>2</sup> › Speed Range:0.3-10m/s › Pipe size compatiability: DN32-DN80
Working Temp.	› Environment Temp: -30~65°C › Water Temp:0~70°C
Network	› LORA WLAN Network
Available Size	› DN32-DN80
Ball Valve Torque	› 60Nm
IP Rated	› Ip67