

Get your tank running on autopilot in under an hour.

1 Check what you have

- A water tank (rainwater, borehole, municipal — any volume up to ~3 m deep)
- A borehole pump relay circuit and/or municipal solenoid valve
- 220 V plug point near the tank
- Wi-Fi reaching the tank
- iPhone with iOS 15+ for the Solaire Intelligence app

2 Mount the controller

- Mount the IP65 SI Water enclosure on the wall next to or above the tank.
- Position it where the probe cable reaches the bottom of the tank comfortably.

3 Install the pressure probe

- Lower the stainless-steel pressure probe to the bottom of the tank on its cable.
- The probe must hang freely — do not let it rest on the bottom.
- Secure the cable at the tank rim. Route into the enclosure through the sealed gland.

4 Wire the pump relay and solenoid

- Connect your borehole pump circuit through the SI Water pump relay (see wiring diagram in lid).
 - If you have a municipal solenoid valve, connect it to the solenoid relay output.
 - Connect the flow rate sensor inline on the borehole pump outlet pipe.
- Note:** Isolate all power before wiring. Use a qualified electrician if in doubt.

5 Power up and connect to Wi-Fi

- Apply power. LED blinks amber — Wi-Fi setup mode.
- On your iPhone: Settings → Wi-Fi → connect to SI-Water-XXXX.
- Enter your home Wi-Fi credentials. The unit reboots. LED turns solid green.

6 Download the app and add your device

- Search Solaire Intelligence on the App Store and install.
- Sign in and tap Add Device → SI Water.
- The app connects and shows live tank level.

7 Configure your tank

- Go to SI Water → Settings → Tank. Enter total volume and height.
- Set Low Level Warning threshold (recommended: 20%).
- Set Minimum Flow Rate for borehole protection.

8 Set up automation

- Go to Automation → Daily Top-Up. Set time and target level. Enable.
- Go to Emergency Fill. Set critical threshold. Enable.
- If you have municipal backup: go to Municipal Backup and enable.
- Tap Test Run to verify the pump starts and flow is detected.

9 Verify borehole protection

- During a test run, check that Flow Rate shows a reading above your minimum.
- If flow drops below minimum, SI Water will pause, retry, and raise a Borehole Fault alert.
- Tap Reset Fault to clear after testing.

■ Home Assistant is not required. If you run HA, SI Water auto-discovers via MQTT once a broker is configured. Email info@si-sa.co.za for help.



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