

PEACE OF MIND FOR YOUR POOL

Set the temp. Set the schedule. Forget about it.

SI Pool quietly looks after your pool. It runs the pump on the right schedule, keeps the water at the temperature you've asked for, watches the filter for you, and gives you live control in the Solaire Intelligence app — from the couch or from the airport. When SI Gateway is present, SI Pool reads the ECM score and can adjust its behaviour based on how much solar energy is available.

WATER TEMPERATURE	THE PUMP
Live °C and target setpoint at a glance. Heat-pump status badge — Heating / Idle / Disabled.	Auto schedule, Run-now, or Off — your call. Two configurable daily windows on autopilot.
ECM INTEGRATION	FILTER & PUMP SAFETY
SI Pool reads the ECM score from SI Gateway via local HTTP — adjusts behaviour when solar is abundant or grid is tight.	Dry-run protection and filter health monitoring — alerts you before a small issue becomes a big repair bill.

Why you'll love it

● **The pool just runs itself**

Two daily run-windows look after filtration on autopilot. Override buttons are right there if you want a quick change before a swim.

● **Set the temperature, walk away**

Tell SI Pool what temperature you want and let the heat pump do the rest. Hysteresis stops short-cycling and the pump-running interlock keeps things safe.

● **ECM-aware scheduling**

When SI Gateway is present, SI Pool can use the ECM score to run longer on solar surplus or defer non-urgent cycles when the grid is expensive.

● **Saves your pump**

If the pump runs dry — losing prime or flat suction — SI Pool trips the circuit before the seal cooks. That alone can save a pump replacement.

● **Catch a clogged filter early**

SI Pool watches the pump current. A clogged filter pulls less power — and you'll get a heads-up to backwash before the water starts looking sad.

● **Plays nicely with smart homes**

Already on Home Assistant? SI Pool slots in automatically — every reading and switch shows up in your existing dashboard with no YAML to write.

What you'll see in the Solaire Intelligence app

What you see	Shown as
How warm the pool is right now	Big live °C reading with your target next to it
Whether the heater is working	Heat-pump status badge — Heating / Idle / Disabled
What the pump is doing	Auto / Run-now / Off, with the next scheduled window shown
Pool light	On-screen toggle
Live power use	Watts now, plus lifetime kWh used by the pump
Filter health	Clean / Dirty / Paused — based on the pump current signature
Pump safety	Dry-run protection status, with a clear reset if it ever trips
ECM Score (if SI Gateway present)	0–20 score — Excellent / Comfortable / Moderate / Cautious / Critical

How it works

SI Pool is built to be quiet, dependable and friendly. Here's the short version:

1. A neat box on the wall

A weatherproof IP65 box mounts in the plant room. It switches your pump, pool light and heat pump, and reads the water temperature from a stainless-steel probe in a thermowell.

2. A clever sense of how things are going

A small current sensor watches the pump. From the way the pump is drawing power, SI Pool can tell when the filter needs a backwash, and when the pump is in trouble — like running dry.

3. The Solaire Intelligence app

Download the app on your iPhone and see live temperature, pump status, schedule and controls from anywhere. When you're on the home Wi-Fi, the local dashboard at si-pool.local is also available.

4. Quietly looks after itself

Even if the Wi-Fi drops or the internet goes down, SI Pool keeps running the schedule, the heater, the filter check and the pump protection — all on its own.

What you'll need

- A pool with a single-phase pump (and a heat pump and pool light, if you have them).
- A 220 V supply to the plant room (a normal pump-circuit breaker is fine).

- Wi-Fi reaching the plant room — most homes are already covered.
- An iPhone to run the Solaire Intelligence app (iOS 15+).
- SI Gateway (optional) — adds ECM intelligence and cost tracking to the ecosystem.

In the box

- Weatherproof SI Pool controller in an IP65 enclosure
- Stainless-steel temperature probe inside a stainless thermowell
- Sealed cable glands for your pump, pool-light and heat-pump cables
- Built-in pump current sensor — gives SI Pool its sense of pump health
- Simple illustrated setup guide

The plain-English specs

Question	Answer
Works with	Single-phase pool pumps up to about 4 kW, a pool light circuit and a heat-pump enable line
Temperature probe	Waterproof digital probe inside a stainless-steel thermowell — no plastic in your water
Where it goes	Mounted in your plant room, near the pool DB; thermowell installs in a 1-inch BSP boss
Power	Standard 220 V supply; uses about as much standby power as a phone charger
Talks over	Your home 2.4 GHz Wi-Fi
You view it on	Solaire Intelligence app — iOS (iPhone). Local dashboard: http://si-pool.local on home Wi-Fi
ECM intelligence	Polls SI Gateway HTTP endpoint for ECM score — optional, additive
Smart home	Plays nicely with Home Assistant — MQTT auto-discovery, no YAML required
Privacy	Local-first. Your pool data lives on your network unless you're viewing it remotely
Warranty	12-month limited warranty
Made in	South Africa

Getting yours: email info@si-sa.co.za or visit solaire-intelligence.co.za. We'll help you pick the right install (your pump, your heater, your light), arrange delivery, and get the app connected.



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