

THE BRAIN BEHIND YOUR ENERGY-SMART HOME

SI Gateway One score. Unlimited intelligence.

SI Gateway connects to your solar inverter and calculates the ECM Score — a live 0–20 number that tells every connected SI device how much energy intelligence to apply right now. Track solar savings. Prove the return.

- ECM: 14/20
- Comfortable
- Solar Savings
- Cost Tracking

ECM: 14/20

Comfortable

SI GATEWAY

From the lounge or the airport

Solar Savings · Cost Tracking · HA Ready

For homeowners, holiday homes &
smart-home enthusiasts

solaire-intelligence.co.za

ONE DEVICE. FOUR READINGS. UNLIMITED INTELLIGENCE.

Your energy system, finally visible.

SI Gateway reads live data from your solar inverter and derives a single score — the ECM Score — that every connected SI device uses to make smarter decisions automatically. SI Pool runs longer when solar is abundant. SI Water tops up the tank on surplus. And the app shows you exactly what your solar system is saving you, in rands, every day.

<p>● ECM SCORE — 0 to 20 One number summarising your energy state. Critical / Cautious / Moderate / Comfortable / Excellent. Updated every few seconds.</p>	<p>● SOLAR COST TRACKING Set your tariff once. SI Gateway tracks grid cost, solar savings, and net savings — today, this month, and lifetime.</p>	<p>● DEVICES GET SMARTER SI Pool and SI Water read the ECM score via local HTTP — no broker, no cloud. Each device makes its own intelligent decision.</p>
<p>● HOME ASSISTANT READY Full MQTT auto-discovery. Every sensor and reading appears in HA the moment a broker is configured. No YAML required.</p>	<p>● NO CLOUD DEPENDENCY The ECM score is computed and shared entirely on your local network. Works even when the internet is down.</p>	<p>● PROVE THE ROI R 166k+ in lifetime solar savings tracked on a real system. Show your clients the numbers, not just the promise.</p>

PERFECT FOR
Solar-powered homes · Off-grid setups · Smart-home enthusiasts · SI Pool & SI Water owners
 SI Gateway is the intelligence layer that makes your whole SI ecosystem smarter.

Local HTTP for devices. MQTT for dashboards. SI devices poll the ECM score directly via HTTP — no broker needed for intelligence. Dashboard telemetry and HA integration flow over MQTT independently.

HOW IT WORKS

Four inputs. One score. Every device smarter.

SI Gateway connects to your inverter via RS485 and reads solar production, battery SOC, grid flow and household load every few seconds. From these four numbers it derives the ECM Score and shares it with SI devices via a local HTTP endpoint. Dashboard telemetry flows to MQTT in parallel. The app gives you the full picture in real time.

WHAT'S IN THE BOX

- SI Gateway controller
- RS485 inverter cable
- Power supply
- Simple illustrated setup guide

WHAT YOU'LL NEED

- A supported solar inverter with RS485 port
- A 220 V / 12 V supply near the inverter
- Wi-Fi reaching the inverter location
- An iPhone for the SI app (iOS 15+)

THE PLAIN FACTS

Question	Answer
Connects to	Solar inverter via RS485 (Deye, Sunsynk)
ECM Score	0–20, five tiers: Critical to Excellent
Device comm.	Local HTTP endpoint — no broker needed
Dashboard/HA	MQTT — auto-discovery enabled
Cost tracking	Tariff-based — daily/monthly/lifetime
App	Solaire Intelligence (iOS)
Talks over	Your home 2.4 GHz Wi-Fi
Privacy	Local-first — your data, your network
Warranty	12-month limited warranty
Made in	South Africa

Ready to see what your solar is really doing? info@si-sa.co.za · solaire-intelligence.co.za



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