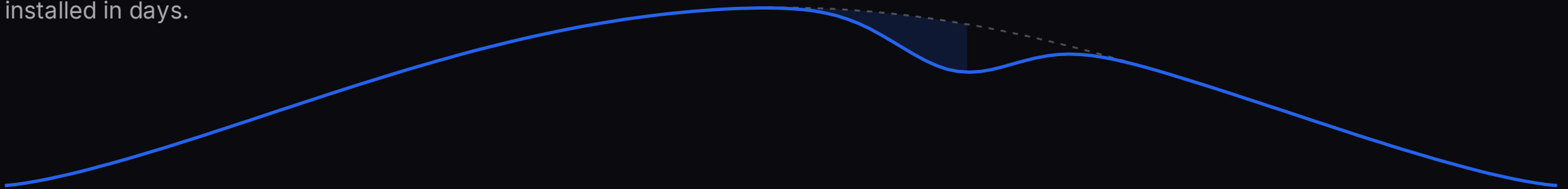


■ SOLARKEY MONITORING PLATFORM

See every kilowatt-hour.

Live monitoring for solar PV plants — from the panel room to your phone,
installed in days.



Solar plants underperform quietly.

Most plants don't fail loudly. They leak — a tripped inverter here, a soiled table there, a string drifting low for weeks. The pattern is the same on every site we walk:

Faults wait for people

An inverter that trips at 11 a.m. can sit idle until the evening log review. Every hour in between is generation you never get back.

Losses hide below thresholds

Soiling, string drift and thermal derating rarely raise an alarm. They just shave output, month after month.

Data sits in vendor silos

Three inverter brands means three portals, three formats and no single version of the truth about your own plant.

Reporting is stitched by hand

Month-end means spreadsheets, screenshots and a day of engineering time per site — for numbers that are already three weeks old.

— None of this shows up until the generation report does. By then, the energy is gone.

Small leaks, priced honestly.

2–3%

of annual yield is commonly lost to issues nobody saw in time — trips, soiling, drift and communication gaps.

One 1 MW block tripping on a Saturday morning and found on Monday costs roughly ₹35,000–40,000 on its own.

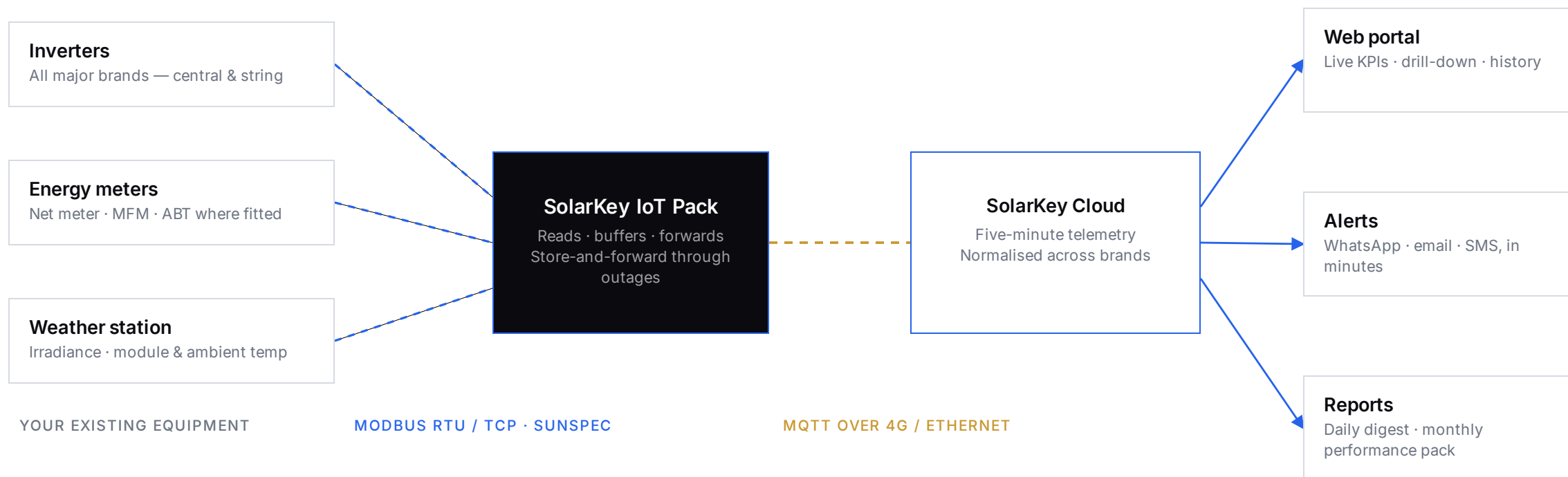
A WORKED EXAMPLE — 10 MWp, OPEN ACCESS, INDIA

Generation per MWp, per year	≈ 15.0 lakh kWh (1.5 GWh)
Silent losses at 2–3%	30,000 – 45,000 kWh per MWp, per year
At ₹4 / kWh realisation	₹1.2 – 1.8 lakh per MWp, every year
Across the 10 MWp portfolio	₹12 – 18 lakh a year, silently

Illustrative. Assumes 1.5 GWh/MWp-yr and ₹4/kWh; actual recovery depends on plant condition and response time. The arithmetic holds in any market — only the tariff changes.

— Monitoring pays for itself the first time it catches one of these early.

From your plant to your screen, in five-minute steps.



Read-only by default — the IoT Pack polls your equipment; nothing about the plant's operation changes.

The SolarKey IoT Pack.

Industrial acquisition hardware, pre-configured to your register map before it ships.

Every major inverter brand

2,000+ device profiles pre-integrated. One Pack reads a mixed-brand plant — no per-vendor loggers.

Speaks your plant's protocols

Modbus RTU & TCP, SunSpec and MQTT — the languages your inverters, meters and sensors already use.

Months of on-device buffering

Store-and-forward local memory. An internet outage never costs a reading — data backfills when the link returns.

4G + Ethernet uplink

Cellular by default, wired where the site allows. Encrypted end to end.

Open data egress

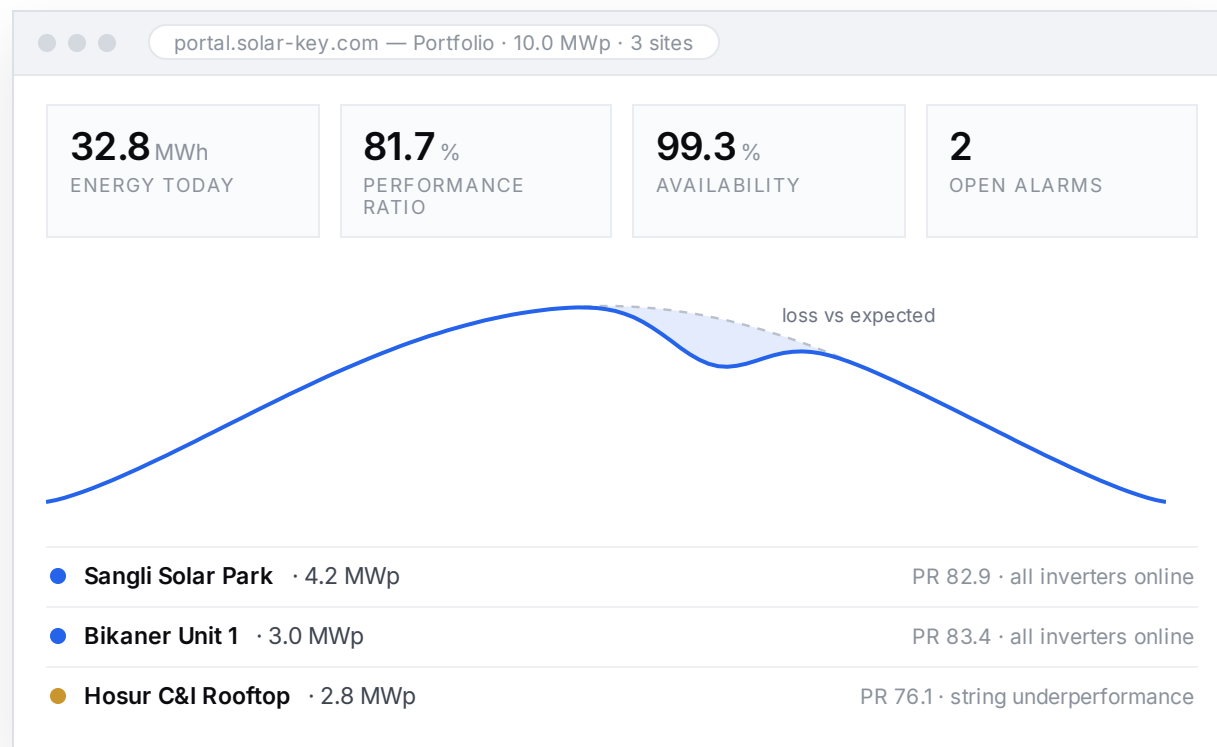
Telemetry lands in your portal and exports freely. Your data is never trapped in a vendor cloud.

Panel-room ready

DIN-rail, fanless, compact. Installs in the ICR beside your existing kit in under a day.

Provenance, in writing. European-built acquisition hardware on a non-Chinese supply chain, with country-of-origin declarations available — increasingly what lenders and offtakers ask to see.

One portal. Every site. Live.



WHAT YOU SEE, LIVE

- **Generation and power curve** against expected, updating through the day.
- **PR, CUF, availability and specific yield** — plant and inverter level.
- **Drill-down** from portfolio to site to inverter to string.*
- **Fault and alarm feed** with timestamps and full history.
- **Daily and monthly energy**, exportable in one click.

**String-level where your inverters report it. Portal view shown is illustrative.*

You hear about it in minutes — not at month-end.

ALERTS, AS IT HAPPENS

- **Trips, outages, underperformance and comms loss** flagged within minutes of the event.
- **Delivered where your team lives** — WhatsApp, email and SMS.
- **Quiet by design.** Thresholds tuned per site so an alert means something — no noise fatigue.

■ SOLARKEY ALERT · 11:47

Hosur C&I Rooftop — INV-04 offline since 11:42. Output down 210 kW against plan.

[Acknowledge in portal →](#)

REPORTS, WITHOUT THE SPREADSHEET DAY

- **Daily generation digest** in your inbox before the morning review.
- **Monthly performance pack** — generation, PR, availability, downtime log, alarm summary.
- **Clean enough to forward unedited** to a lender, an offtaker or the board.
- **Every number exportable** — CSV out, any time, full history.

■ MONTHLY PACK · MARCH

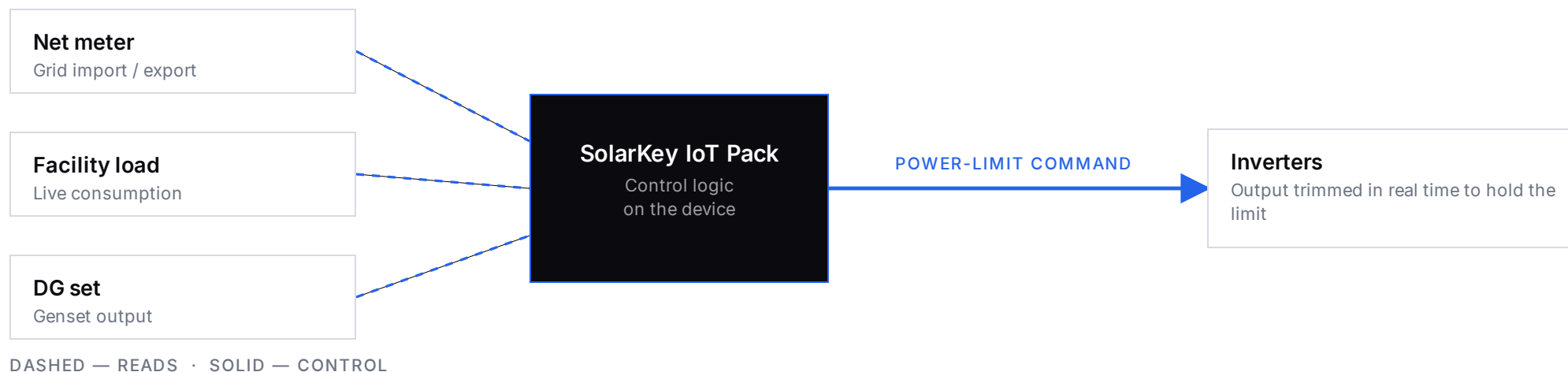
Sangli Solar Park — 6.3 lakh kWh · PR 82.9% · availability 99.4% · downtime log · alarm summary.

[PDF, auto-sent on the 1st](#)

— Your team stops watching dashboards. The platform watches the plant — and calls only when it matters.

Zero-export and self-consumption, handled on site.

Where the DISCOM or utility restricts export — or where a plant runs alongside DG — the same IoT Pack runs the control logic locally: it reads the net meter, the load and the DG, and trims inverter output in real time.



- **Holds zero-export** and export-limit setpoints, continuously.
- **Synchronises solar with DG** — no reverse-feeding the genset.
- **Maximises self-consumption** where export doesn't pay.
- **No cloud round-trip.** The loop runs on site — it keeps working through an internet outage.
- **Same hardware** — a configuration of the IoT Pack, not another box.

Monitoring is the foundation. Here is what's being built on it.

Everything on this page is in build — a labelled roadmap, not a shipping feature list.

-
- | | |
|---------------------------------|--|
| □ Energy-loss waterfall | Where every lost kWh went — downtime, soiling, clipping, curtailment — with the revenue impact priced against your tariff. |
| □ Smarter alerts | Plain-language probable-cause notes attached to events, so the fix starts sooner and the right technician goes first. |
| □ Financial view | Budget vs actual generation, PPA compliance tracking and a running forecast to year-end. |
| □ Mobile app | The portal, alerts and acknowledgements in your pocket — iOS and Android. |
| □ Portfolio benchmarking | Sites ranked against each other under comparable irradiance, so the laggard has nowhere to hide. |
-

— **Staged releases to every connected site. The IoT Pack you install today carries all of it — nothing gets swapped.**

Live in days, not months.

1

Share your site list

SLD, inverter makes and counts. We do the desk study from there — no visit needed to quote.

2

We pre-configure

Register maps, SIMs and your portal are set up before the Pack leaves us.

3

One day on site

DIN-rail install and commissioning. Read-only fit — generation doesn't stop.

4

Portal live

Data flowing, alerts armed, your team walked through it on a call.

WHAT WE NEED FROM YOU

Single-line diagram

Inverter makes & counts

A DIN-rail slot in the ICR

Site contact for the install day

Retrofit-first. Works with the inverters and meters you already own — across brands, across vintages. No rip-and-replace, and no lock-in holding your data hostage.

When the data should also protect the returns.

SolarKey shows you the plant. **SunKey Asset Management** — our specialist sister company — turns the same data stream into protected returns, independent of your EPC and your O&M contractor.

TECHNICAL

- PR tracked against the PVsyst baseline
- Thermography and field audits
- O&M contractor oversight

FINANCIAL

- Revenue tracked against the PPA
- DSCR and IRR monitoring
- Budget discipline, month on month

COMMERCIAL

- PPA and regulatory compliance — MNRE / CERC / SERC
- Curtailment records and claims
- Lender and investor reporting

— Two specialist companies. One solution.



Built the way owners actually buy.

Vendor-neutral by design

One portal across every inverter brand you own today — and whatever you buy next.

Your data stays yours

Full history, open export, no lock-in. Leave any time and take everything with you.

Bankable reporting

Numbers in the shape lenders, buyers and auditors accept — PR, availability, downtime, alarm history.

On the ground

A platform that deploys anywhere Modbus runs — with teams in Mumbai, Pune and Dubai, and support from people who walk plants.

Built by operators

Designed around how plants actually fail — not around how dashboards demo.

— No lock-in isn't a feature here — it's the pricing model. The platform has to earn every renewal.

Simple to buy. Sized to your portfolio.

ONE-TIME · PER SITE

SolarKey IoT Pack

Acquisition hardware, configuration, SIM, dispatch and commissioning support.

ANNUAL · PER SITE, BY MWP

Monitoring subscription

Portal, alerts, daily and monthly reporting, data export and support — for every user you need.

LAUNCH OFFER

First year included

The first year of monitoring is included with every IoT Pack. You judge the platform on your own plant's data.

Commercials against your site list — typically within 48 hours of receiving the SLD and inverter schedule.

Start with one site. Judge us on it, then scale on your timetable.

■ TALK TO US

See every kilowatt-hour. Start with one site.

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