PRODUCT & SOLUTIONS BROCHURE

What RIOD builds

Chargers, energy systems and the software that runs them — designed, built and supported by one engineering team in Kerala.

RIOD Logic designs and manufactures EV charging hardware and the energy software around it. The firmware, the boards, the enclosures and the platform are built in-house, which is why a fault traced in the field can be fixed at its source rather than escalated to a vendor. Below is the full range, what each part is for, and where it has been deployed.

800+

public chargers deployed on OCPP 1.6J for a national utility

200+

distributed sites on one energy management platform

31%

cooling cost reduction at an eight-facility manufacturer

2 yr

standard warranty on every PowerPod unit

The range

PowerPod Lite AC charging for homes and small sites

For: Apartments, villas, individual garages and small office parking where each bay serves a known driver.

The simplest unit in the range. It charges, it meters, and it keeps working when the internet does not — which matters more in a basement car park than any app feature. Configurable to the supply you actually have rather than the one the spec sheet assumes.

- In-built energy metering, so consumption is attributable per unit
- Works offline — no dependency on a live connection to start a session
- Emergency stop on every unit
- Type 2 (IEC 62196) with a 5 m cable, or a shuttered 16 A socket on the 3.3 kW
- IP65 enclosure, BIS compliant, built for Indian supply conditions
- 2-year standard warranty

Model	Output	Connector
RD012	22 kW	Type 2 (IEC 62196), 5 m cable
RD011	7.4 kW	Type 2 (IEC 62196), 5 m cable
RD010	3.3 kW	16 A 3-pin socket, shuttered

Full details: /products/ev-chargers/powerpod riod.energy/products/ev-chargers/powerpod

PowerPod Go AC charging you can charge for

For: Sites where the driver is not the bill payer: workplaces, hotels, retail, apartment visitor bays.

Everything the Lite does, plus identity and payment. Sessions are authenticated by RFID card or app and reported over OCPP 1.6J, so the unit works with a management platform rather than standing alone — ours or anyone else's.

- Payment-enabled session start
- RFID card and app authentication
- OCPP 1.6J compliant — connects to any conforming management platform
- Wi-Fi as standard, 4G optional where there is no site network
- In-built energy metering for per-session billing
- 2-year standard warranty

Model	Output	Connector
RD015	22 kW	Type 2 (IEC 62196), 5 m cable
RD014	7.4 kW	Type 2 (IEC 62196), 5 m cable
RD013	3.3 kW	16 A 3-pin socket

Full details: /products/ev-chargers/powerpod-go riod.energy/products/ev-chargers/powerpod-go

PowerPod City Two bays from one unit

For: Public and semi-public parking where bay count matters more than peak speed — malls, hospitals, transport hubs, large workplaces.

A dual-outlet unit, so one installation, one civil works job and one grid connection serve two cars. On sites where the cost of getting power to the bay dwarfs the cost of the charger, that halves the expensive part.

- Two independent Type 2 outlets, 5 m cable on each
- One foundation, one supply run, two charging bays
- OCPP for central monitoring and session management
- Per-outlet energy metering
- 2-year standard warranty

Model	Output	Connector
RD018	22 kW + 22 kW	Dual Type 2 (IEC 62196)
RD017	7.4 kW + 7.4 kW	Dual Type 2 (IEC 62196)
RD016	3.3 kW + 3.3 kW	Dual 16 A 3-pin

Full details: /products/ev-chargers/powerpod-city riod.energy/products/ev-chargers/powerpod-city

Power Master Fit more chargers into the supply you already have

For: Any site where the sanctioned load is the constraint — which, in practice, is most sites after the first few chargers.

Dynamic load balancing. It watches what the building is drawing and shares what is left across the chargers in real time, so adding bays does not mean upgrading the connection. The usual alternative is paying for a larger supply to cover a peak that happens twice a year.

- Real-time load balancing across connected chargers
- Respects the site's sanctioned load rather than the sum of charger ratings
- Lets charger count grow without a supply upgrade
- Works alongside the building's existing loads, not just the chargers

Full details: /products/energy/power-master riod.energy/products/energy/power-master

Energy Management One view across every site

For: Operators running the same problem in many places: hotel groups, retail chains, utilities, multi-plant manufacturers.

Consumption, cost and anomalies across a portfolio, in one place, in real time. The value is rarely the dashboard itself — it is that the site quietly wasting money becomes visible before the quarterly bill arrives.

- Real-time consumption and cost across all sites
- Per-site and per-asset breakdown
- Anomaly detection against each site's own pattern
- Replaces manual meter reading and spreadsheet reporting

Full details: /products/energy/energy-management riod.energy/products/energy/energy-management

Infrastructure Monitoring Know a unit is down before the driver tells you

For: Anyone whose chargers or energy assets are spread across sites they do not visit daily.

Continuous health monitoring of deployed assets, with alerting on the conditions that precede a failure rather than only the failure itself. Uptime is the metric public charging is judged on, and it is lost mostly to faults nobody noticed.

- Continuous health and uptime monitoring
- Alerting on fault conditions and degradation
- Remote diagnostics before a site visit is booked
- Solar inverter monitoring and compliance reporting

Full details: /products/energy/infrastructure-monitoring riod.energy/products/energy/infrastructure-monitoring

Charger360 The platform — and a gateway to the ones you already use

For: Operators with a mixed estate, or anyone who does not want their chargers locked to a single vendor's backend.

Charger360 is RIOD's charging management platform. Its distinguishing part is the multi-CMS control gateway: chargers from other manufacturers connect to it too, and an estate can be switched between management systems without replacing hardware. That is the difference between changing a supplier and re-procuring a car park.

- Full charging management: sessions, tariffs, users, reporting
- Multi-CMS control gateway for third-party chargers
- CSMS switching without hardware replacement
- Remote diagnostics across the estate
- Deployment support for live sites

Full details: /technology/charger360 riod.energy/technology/charger360

Where it has been deployed

Four projects, with the numbers the clients measured.

PUBLIC CHARGING · NATIONAL UTILITY

800+ public chargers on OCPP 1.6J

A major Indian power distribution utility deployed over 800 public EV chargers with an OCPP 1.6J backend, centralised monitoring and multiple authentication methods.

Read the case study riod.energy/case-studies/ocpp-implementation-indian-utility

ENERGY · EUROPEAN UTILITY

200+ sites on one platform

A Greece-based utility replaced manual reporting across more than 200 distributed sites with real-time dashboards and consumption analytics.

Read the case study riod.energy/case-studies/energy-management-greek-utility

HOSPITALITY · HOTEL GROUP

18% lower energy cost across 15 properties

A premium hotel chain cut energy costs by 18% across 15 properties and added EV charging as a guest amenity, managed through the same monitoring.

Read the case study riod.energy/case-studies/energy-management-hotel-chain

MANUFACTURING · US INDUSTRIAL

31% off cooling cost at 8 facilities

Production-aware HVAC scheduling across eight plants, correlating energy use with production line activity rather than running to a fixed timetable.

Read the case study riod.energy/case-studies/hvac-platform-us-manufacturer

Why buy it from us

Built in-house, end to end

Boards, firmware, enclosures and platform are RIOD's own. A field fault is a bug we can fix, not a ticket we forward.

Designed for the supply you have

Indian grid conditions, not laboratory ones: voltage swings, outages, basements with no signal. Units work offline and recover on their own.

Open protocols, not lock-in

OCPP throughout, and a gateway that speaks to other manufacturers' hardware. Changing platform should not mean changing chargers.

Supported by the people who built it

Engineering and manufacturing sit together in Kochi, with the software delivery centre at Infopark Koratty.

Talk to us

Tell us the site, the supply and how many bays you need, and we will come back with a configuration rather than a catalogue.

hello@riod.in · riod.energy

Kaladi / Mattoor, Kochi — engineering and manufacturing.
Infopark Koratty, Thrissur — software delivery centre.