

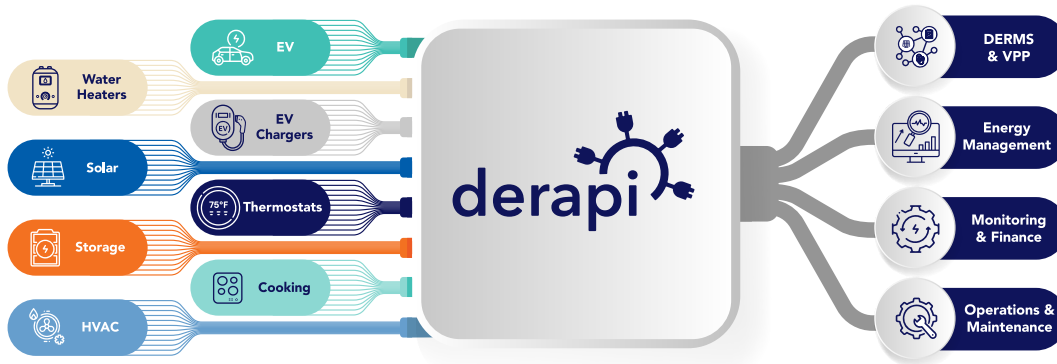


## Derapi Control: Coordinate DERs across vendors and device types



### Accelerate development of DER control solutions via Derapi control APIs

Today's energy solutions require access and control of a variety of distributed energy resources (DERs). Each DER category (solar, batteries, etc.) has many vendors and application developers need access, data, and control across this device ecosystem. Derapi exists to bridge the gap between application developers and DERs.



#### Solution features:

**Unified Control API** — send control signals to individual systems across a multi-vendor DER fleet through a single integration

**DER Asset API** — assess DER capabilities, such as nameplate, configuration, and current state

**Command verification** — confirm that critical control signals are received

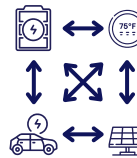
**Streamlined device & data access** — used together with Derapi Authorize and Data APIs to access customer DERs and the data needed to develop control measures and perform measurement and verification

**Security & privacy protection** — All interactions are encrypted using industry-standard methods, and Derapi retains no data after API requests are filled

#### Our DER control solution supports application developers who are creating innovative energy solutions such as:



**VPP developers** – the Derapi control solution provides a comprehensive API solution for VPP software providers to expand their target device set and rapidly expand the breadth and scale of their VPP solution.



**DERMS providers** – DERMS providers are faced with a challenge of needing to expand the number of supported devices, while simultaneously adding intelligent features. Derapi's control solution allows DERMS providers to accomplish both objectives.



**Energy managers** – behind-the-meter optimization software benefits from simple and reliable access to DER device data and control to achieve critical customer objectives for cost, consumption, and emissions.









## Derapi Control: Coordinate DERs across vendors and device types



### Accelerate development of DER control solutions via Derapi's control APIs

Derapi's control APIs provide a common interface for supported DER vendors. All vendor API options are exposed via the common API to make controlling multi-vendor fleets easy. A sample of DERs and control options:

	<b>Battery Storage</b> <ul style="list-style-type: none"><li>• Send schedules</li><li>• Charge rate</li><li>• Discharge rate</li><li>• Idle period</li></ul>		<b>Solar PV</b> <ul style="list-style-type: none"><li>• Send schedules</li><li>• Control production</li><li>• Production rate</li><li>• Configuration</li></ul>
	<b>HVAC</b> <ul style="list-style-type: none"><li>• Dispatch signaling</li><li>• Temperature offset</li></ul>		<b>Water Heaters</b> <ul style="list-style-type: none"><li>• Send schedules</li><li>• Heating mode</li></ul>
	<b>EV and EVSE</b> <ul style="list-style-type: none"><li>• Dispatch signaling</li><li>• Electric rate signaling</li></ul>		<b>Other Loads</b> <ul style="list-style-type: none"><li>• Signaling for other controllable resources</li></ul>

### Derapi accelerates your time to market by providing:

**Simplicity:** Unlike bespoke integrations done in-house, Derapi's single point of integration

- Gives immediate access to any supported device
- Eliminates maintenance cost & effort
- Frees technical resources to develop value-added features

**Security & Reliability:** Derapi prioritizes manufacturer-sanctioned APIs and data access methods – providing secure, reliable access

**Flexibility & Scale:** Subscription-based pricing models allow you to pay only for the manufacturers, devices, and feature sets you need



### Book a Free Consultation with a DER Expert

Simplify your data integrations with Derapi. Scan the QR code or go to [derapi.com/contact](https://derapi.com/contact) to discover how we can help you speed time to market, reduce costs, and focus resources on your core business.