



## PV Installer Solution: Unified API for Monitoring and Controlling Your PV Fleet



### Simplify Monitoring, Maintenance, System Expansion, and VPP Integration with Derapi

Managing a diverse fleet of solar assets is complex, with data scattered across multiple OEM platforms. Derapi's Solar PV Installer Solution solves this by unifying data access, enabling seamless monitoring, system expansion, and easy integration into Virtual Power Plants (VPPs), all from a single API.

#### Solution components:

- **Control API** — Easily schedule dispatch of multi-vendor fleets of distributed energy assets, including storage, PV, water heaters, HVAC, and EV charging.
- **Data API** — Provides harmonized access to devices across multiple vendors and retrieves current and historical performance and interval data.
- **Authorize API** — Accelerates enrollment by collecting participant consent and secure login credentials.
- **Time-series historical data** — Retrieve historical data in monthly, daily, hourly, and sub-hourly intervals
- **Security & privacy protection** — We use only manufacturer-approved integrations and secure, encrypted interactions to work with DER assets. Derapi retains no data after API requests are completed.

#### Solution benefits:

- Easily build tools that enable you to identify good candidates for system expansion and batteries
- Build robust multi-vendor applications in hours, not days, through a single point of integration
- Maximize program enrollment
- Expand your approved vendor list
- Eliminate time and cost of maintaining APIs for individual OEMs
- Free up your technical resources to develop value-added features
- Subscription-based pricing models allow you to pay only for the manufacturers, devices, and feature sets you need

#### Customer Spotlight:

### Northern Pacific Power Leverages Derapi Data to Unlock New Revenue From Existing Customers Via Expansions



“Derapi plays a key role in our NEM3 strategy to harness the power of DER data to deepen our relationships with our customers. Derapi is more than a platform, they’ve been invaluable business partners at a critical time.”

Andrew Krause  
CEO, Northern Pacific Power Systems





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### How it works

Derapi's PV Solar Installer Solution simplifies multi-vendor solar management, enabling unified monitoring, seamless system expansion, and effortless VPP participation, all from a single easy-to-implement API. Here's how it works:



1

#### Monitor Your Multi-Vendor Fleet from a Single Tool

Use Derapi's unified API to access real-time and historical data from all your solar assets, regardless of the manufacturer. Simplify monitoring and maintenance with a single, comprehensive view of your entire fleet.

2

#### Identify Good Candidates for System Expansion

Leverage the Derapi Data API to analyze the performance of your installed systems. Easily pinpoint opportunities for adding batteries or expanding existing systems to maximize efficiency and value.

3

#### Easily Participate in VPPs and Other Demand Programs

With Derapi's Authorize and Control APIs, streamline the process of enrolling your customers' systems into Virtual Power Plants (VPPs) or other demand response programs. Manage and control multi-vendor fleets with ease, enabling you to capitalize on new revenue streams.



#### 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.