



# Derapi enables leading battery storage manufacturer to participate in California’s Demand Side Grid Support program

## Rapid Results:



Nearly 2 MW committed



~300 customers enrolled



Implemented in 4 weeks

### Enabling residential batteries to support the grid

A leading battery manufacturer in the residential solar space sought to enhance the value proposition of their products by enabling participation in California Energy Commission’s Demand Side Grid Services (DSGS) program. This program allows distributed energy resources (DERs), such as residential batteries, to support the grid during high-demand periods, providing a financial incentive for participants. The manufacturer needed a reliable partner to translate market signals into device controls and manage reporting, without burdening internal technical resources.

#### The Challenge: Supporting grid programs without diverting resources

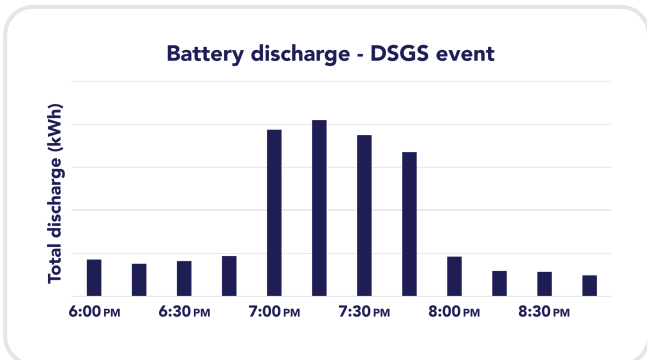
The manufacturer’s grid services team recognized the opportunity to improve the return on investment (ROI) for their battery customers by participating in the DSGS program and other similar programs.

Participating in these programs requires not only translating market signals into battery control commands but also ensuring accurate performance reporting and measurement. The manufacturer needed a proven solution that could be deployed quickly and efficiently, without diverting critical engineering resources from their core business.

#### Delivering a fast and reliable VPP integration

Derapi stepped in to provide the necessary expertise and technology to enable the battery manufacturer’s participation in the DSGS program. Leveraging their Control API, Derapi seamlessly translated market signals from Olivine into control signals that directly managed the manufacturer’s batteries. This integration was completed in just four weeks, allowing the manufacturer to meet the program’s requirements without overextending their internal teams.

Derapi’s solution did not stop at device control. The company also used its Data API to handle all reporting and measurement tasks. This comprehensive approach allowed the battery manufacturer to participate in the program with minimal operational overhead.



See outcomes on the back →



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## Impressive outcomes

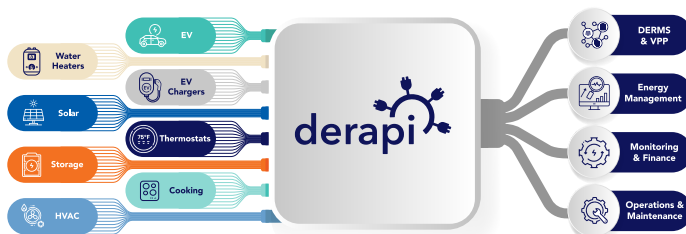
The results of this collaboration were immediate and impactful. In just the first month of participating in the DSGS program, nearly 200 of the manufacturer's customers were enrolled, corresponding to over 1 MW of capacity. 3.6 MWh of energy was discharged from these batteries to support the grid during peak demand events, showcasing the scalability and reliability of the solution. Month 2 of operations saw approximately 100 additional participants, with total committed capacity approaching 2 MW. Additional growth is expected in future months.

"Derapi has proven that our technology can handle Megawatt scale VPPs with ease. This partnership has set a new standard for how we approach grid services and market participation."

*Thomas Lee*  
Founder, Derapi

By partnering with Derapi, the battery manufacturer was able to offer their customers an enhanced ROI on their battery investments. The manufacturer estimates that its customers can earn up to \$150-\$450 per year by participating in grid events, making the batteries more attractive to prospective buyers and helping the manufacturer close more sales.

## One API uniting the Distributed Energy ecosystem



## Looking to the future

Looking forward, the battery manufacturer sees this successful deployment as a template for future VPP programs. They plan to expand their participation in similar energy programs across other markets, leveraging Derapi's technology to streamline the process.

Derapi is also looking ahead. The company aims to build on this success by offering similar integrations to other OEMs, enabling access to a wider array of energy management, finance, and supplemental revenue services. As the ecosystem of DER devices continues to grow and fragment, Derapi is poised to become the go-to solution for manufacturers seeking a single point of integration into multiple energy programs.

## About Derapi

Derapi is a powerful API platform that simplifies the integration and control of the growing fleet of distributed energy resources like PV and batteries. By providing a single, manufacturer-sanctioned API across multiple vendors, Derapi enables DERMS providers to integrate and manage distributed energy resources in days, not months. We eliminate the strain on developers having to maintain APIs for different manufacturers, freeing them up to focus on value-added functionality. OEMs who partner with Derapi not only improve the marketability of their devices but also receive strategic advice on their API and grid services strategy from Derapi's seasoned team of experts.



## 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.