EV Charging is Energizing Retail Sustainability

Prepared For: RCC RETAIL COUNCIL OF CANADA

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jule
powered by ecamion

Jule is the leader in grid optimized EV fast charging

Our battery integrated chargers can amplify grid power from as little as 30 kW to 150 kW

Products + Services

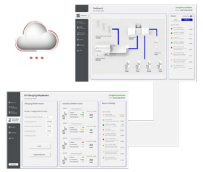
Electric Vehicle Fast-Charging
Fleet + Transit Fast-Charging
Battery Energy Storage

jule | Chargers

- Up to 300 kW Charging Speed
- Fast charging independent of grid connection
- Lower OpEx

jule | Hub

- Mitigate Demand Charges
- Energy Arbitrage
- Integration with onsite solar or wind



jule | Link

- Monitor asset usage, diagnostics, and performance
- Data collection and analytics provides repository of data to optimize operations

CURRENT DEPLOYMENTS

Manufacturing: Canada (current), USA (future)
Deployments: USA & Canada

The Problems We Solve

Timely Utility Upgrades

Bringing high power to an existing site can take 12-18 months

Costly Utility Upgrades

Bringing high power to an existing site can cost $500K - $1MM

High Operating Costs

Using power puts stress on the grid, costing customers in the long-term

Increasing & Variable Power Demand

A car charging at 150kW has the same power draw as 125 homes

LANDMARK DIVIDEND

Loblaws

Problems Experienced by Customer

- Prohibitive capital cost to bring 600kW of power to site
- Demand charges from increasing power to 600kW
- Site space constraints and underground parking
- Customer wanted to take advantage of peak shaving
- Want reliable customer service and support

The Solution: Affordable & Reliable Power At The Edge Of The Grid

Solution

No capital cost
Deliver 600kW, while saving $500K - 1MM

Minimizing demand charges
Power draw is set to never exceed store's initial peak power demand

Compact system and UL 9540A pass rating
Fire suppression system enables indoor use for indoors and underground installation

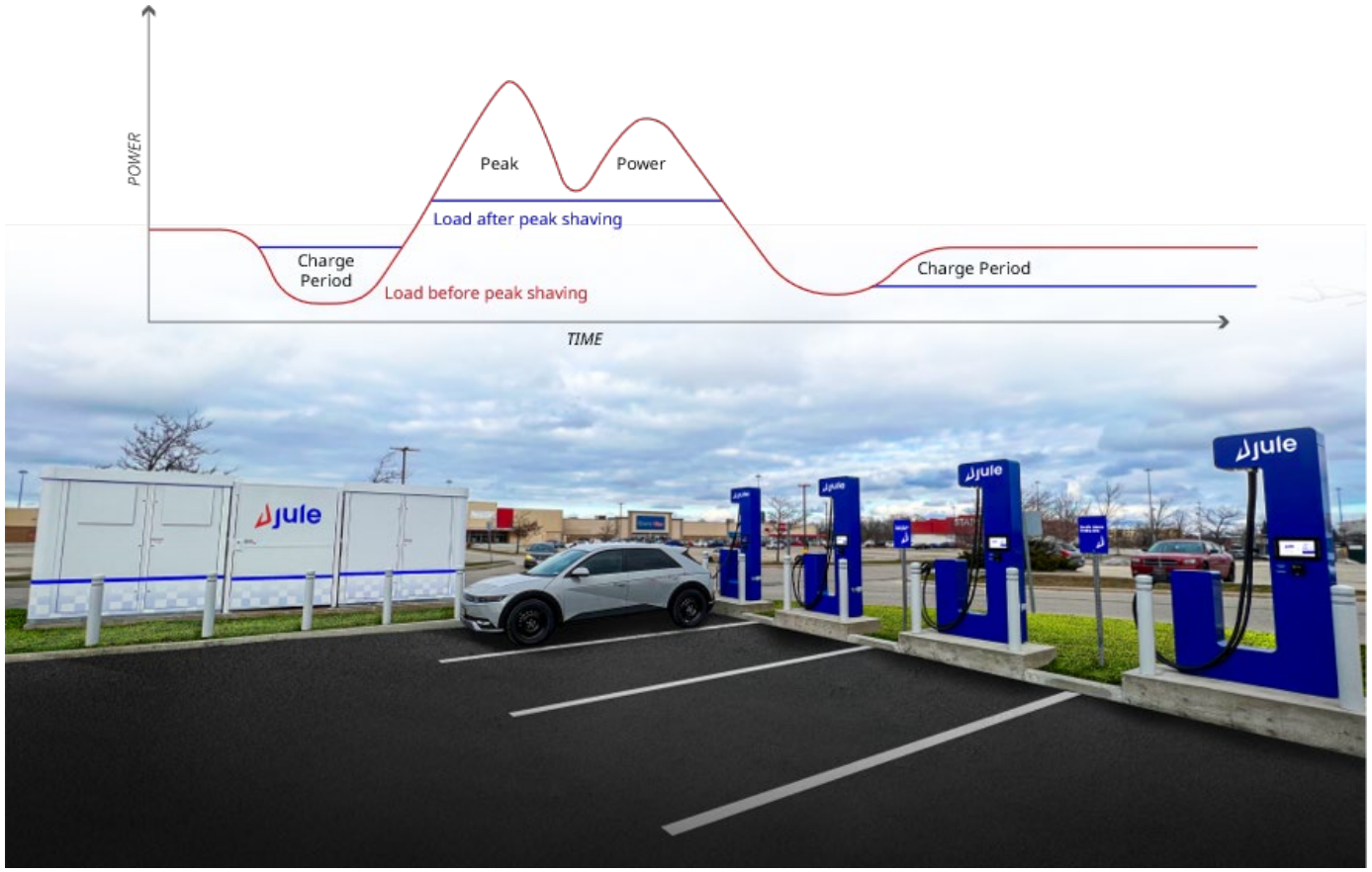
Peak Shaving
Power flows from BESS to store during peak hours to reduce costs by $100K/year

Reliability
Jule's Network Operations maintain 97% for EV charging; 100% for back-up power and peak shaving

Our Technology Unlocks Capacity At The Grid Edge

Technology Innovation

- BESS is a Power Multiplier
  Takes in 200kW and outputs to 600kW
- Power Electronics & Energy Algorithms
  Adapt variable voltage output from BESS to ensure EV receives desired output
- Innovative Fire Suppression System
  Prevents propagation and thermal management allows compact design
- Software and AI
  Plan, model, and execute power flow to store
- No Black Box
  Entire system made by Jule enables control over quality and source codes to monitor system



$12,000,000,000,000

What U.S. electric utilities must spend to reach electrification targets

Thank You

Our Partners:

Come See Us

With More Questions

Booth #17

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