



# Greenlots Smart EV Charging Solutions



Facility managers face limitations to their existing electrical infrastructure when installing and managing electric vehicle (EV) charging stations. Because few buildings were designed with integrated EV charging stations, your building may not have the electrical capacity necessary to support the number of EV charging spots you wish to install. Moreover, adding electrical capacity can be very expensive, and some locations may have structural or other limitations hindering electrical upgrades.

## Introducing Greenlots EV Load Management for Charging

### Offer more chargers without infrastructure upgrades

Greenlots EV Load management software enable facility owners to efficiently manage their energy load right at the charging port. Our smart charging and optimization solutions can dynamically respond to building load requirements, ensuring that the EV load does not exceed the building capacity while still making it easy for drivers to charge when they need to. Our software can increase the number of EV chargers a site can make available while eliminating or reducing the need for expensive infrastructure upgrades.

### Reduce utility bills and avoid peak-pricing charges

Load management is also used to reduce electricity costs by avoiding utility peak demand charges, which can become a significant cost. Station managers can set a power ceiling below the demand charge threshold during peak demand times to ensure power use never exceeds that ceiling. We also offer integrated DER solutions that allow facility managers to directly pull power from energy storage or solar PV. At locations where demand pricing is high, these savings can be substantial.

**Greenlots SKY EV Charging Network Software** is an end-to-end EV charging network management solution that simplifies owning and operating EV charging infrastructure. The software's advanced load management capabilities include:



Load Sharing

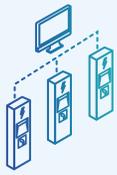


Load Scheduling



Onsite Storage or DER Integration

# Greenlots EV Load Management Solutions



## Load Sharing

### Primary benefit:

Eliminate or reduce the need for infrastructure upgrades

### Maximum value for:

Workplaces, Condos and Apartments, and Commercial & Industrial facilities (C&I)

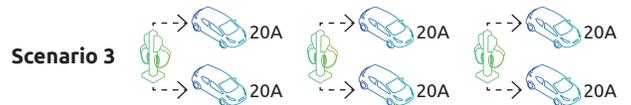
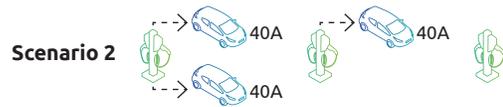
Load sharing allows site hosts to install more EV chargers than the site's circuit breaker, panel or transformer capacity would otherwise allow. Greenlots SKY EV Charging Network Software uses customizable algorithms that enable customers to set a maximum charging load limit allowing for automatic sharing of available power between EV chargers, when charging load is expected to go beyond its limit. Power between the chargers can be distributed evenly or based on charger priority.

### Example: Total ampereage at the site for EV chargers: 120 A

If there is one car at the site – it gets full charging load (with up to 40 amp per each Level 2 charger)



The more there are cars charging at the site, the maximum site load (120 A) is evenly distributed among the chargers (with up to 40 amp per each Level 2 charger)



**The bottom line:** Load Sharing eliminates the need for expensive upgrades to a site's circuit breaker, panel or transformer, while enabling more charging ports at the given location.



## Load Scheduling

### Primary benefit:

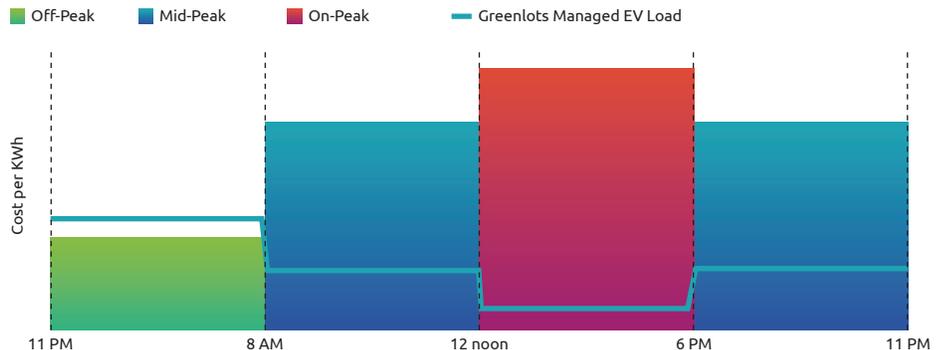
Reduce electricity costs

### Maximum value for:

Workplaces, Condos and Apartments, C&I, and Fleet Owners

Load scheduling enables site hosts to prevent or curtail charging sessions during hours when the cost of electricity is high. This feature is highly beneficial for site hosts with unpredictable loads at their location, as well as for fleet owners who need vehicles fully charged by a specific time without exceeding load limits. Based on utility tariffs, site hosts can manually set the maximum site load for specific hours during a day.

### With Greenlots your electric load is always under control



**The bottom line:** With Load Scheduling, site hosts save significantly on utility bills by shifting charging to cheaper hours, while assuring EVs are always charged to meet operational requirements.



## Onsite Storage or DER Integration

### Primary benefit:

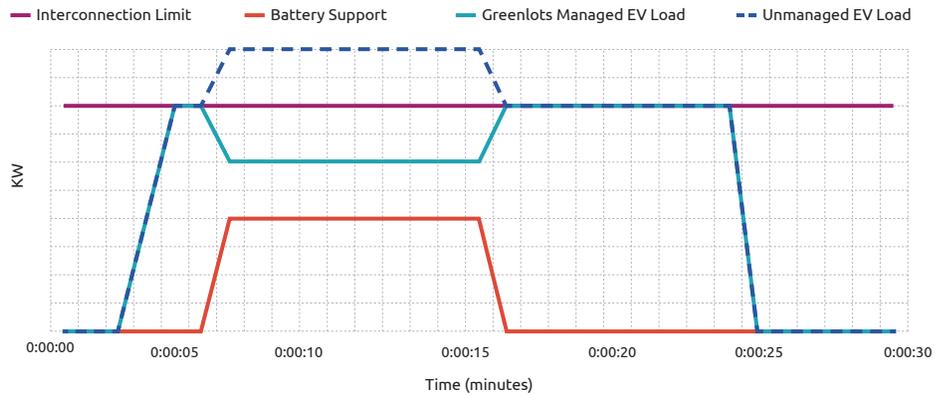
Reduce utility bills and minimize hefty peak demand charges

### Maximum value for:

Large commercial facilities, public DC Fast Charging Hubs, and Fleet Owners

Distributed energy resources (DER), such as energy storage or solar PV systems, provide sites with additional power that can be used when electricity prices are higher than normal. Greenlots can easily integrate DER into charging systems, enabling site owners to minimize costs during peak demand by pulling energy from the DER, rather than the grid.

### Greenlots Managed EV Charging Load with Energy Storage



**The bottom line:** Onsite Storage or DER integration allows site hosts to greatly reduce electricity costs by decreasing the peak load drawn from the grid and drastically minimizing peak demand charges.



# Turnkey Approach to EV Charging



### Site Qualification

We offer compliance support, feasibility studies, and permitting and regulatory oversight



### Choice of Charging Hardware

Partnerships with leading hardware providers, offering the latest in EV charging technology



### Engineering & Installation

We oversee the complete engineering, design, construction and installation of EV charging stations



### Commissioning

We make sure the EV charging infrastructure and all system components meet your project's operational requirements



### EV Charging Network Software

Our network management software offers real-time access and control of your EV charging stations



### Driver Mobile App

Our mobile app allows drivers to locate the nearest charger, track their charging status, and easily make payments.



### Customer Support and O&M Services

We have a variety of customer support packages to best suite your ongoing service needs.



Ready to learn more about Greenlots Load Management Solutions for your site?

Contact us at: +1-888-751-8560 · [info@greenlots.com](mailto:info@greenlots.com)



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