

# PKM150

Dynamic DC Fast Charging System  
The world's only distributed DC fast-charging system.





## Charge more.

### Charge more vehicles.

The PKM150 makes the most of available grid power, dynamically distributing electricity to EVs based on their needs. That means greater efficiency, so you can charge more vehicles with less equipment and less-than-optimal power feeds. One PKM system with four chargers can charge eight EVs.

### Charge more efficiently.

The PKM150's DC power grid is more efficient than any other charging system. It reduces losses during power conversion and transmission, delivering more of the grid power to your customer's EVs. Light-gauge DC site cabling is also 30% of the cost of traditional AC site cabling.

### Charge more reliably.

The PKM150 is designed to withstand extreme conditions and can be easily maintained and repaired in the field thanks to its modular design and construction. Tritium customers report up to 98% uptime with their PKM150 chargers. The PKM150 is the charger drivers can rely on.

# Modular Charging System

- › **Liquid cooling** improves longevity and reduces size and total cost of ownership.
- › **Modular design** makes upgrades and maintenance simple.
- › **Weather sealed** (IP65 rating) for use in the most demanding environments.
- › **Cable management system** makes charging easy and keeps cables safe.
- › **Large area available for branding or advertising** for brand awareness or additional revenue streams.
- › **LED lighting** front and back to improve visibility and safety and to illuminate.



## Features and specifications:

- › Deliver up to 150kW
- › 1998mm x 850mm x 309mm (79" x 34" x 12")
- › IP65 and NEMA 3R weather seal rating
- › Operating temperature range: -35°C to +50°C (-31°F to +122°F)
- › CCS1/2 (up to 920V/350A DC), CHAdeMO (up to 500V/125A), and NACS (coming soon) compatible
- › Simultaneous charging
- › Contactless 3-in-1 credit card reader options
- › Plug & Charge (ISO 15118-2) support
- › Multi-language support
- › Ethernet & 3G/4G wireless communication
- › 6m (19'6") cables with cable management (other cable options available upon request)
- › ADA compliant, EN 301 549 compliant





# Dynamic Power Distribution

Up to four PKM chargers can connect to a single PKM AC-to-DC power cabinet (rectifier). The PKM charging system dynamically distributes direct current electricity to the vehicles at your site, delivering the right power at the right time. The PKM makes the best use of available grid power, providing the optimal charging capacity to vehicles and leaving the rest of the power pool available for other EVs at your charging site.

- › Light-gauge DC site cabling saves up to 70% of the cost to wire a site compared to traditional AC site cabling.
- › Connect up to four charging stations per power rectifier for simple site design and fewer pieces of equipment.
- › Scalable design means lower initial cost of investment with the option to add more chargers and/or increase power output over time.
- › Reduce infrastructure cost by matching the rectification needs to the grid capacity.



# World-Class Technology Provider



## Your Cutting-Edge Technology Partner

Founded in 2001, Tritium designs (engineers) and manufactures proprietary hardware and software to create advanced and reliable DC fast chargers for electric vehicles. Tritium's compact and robust chargers are designed to look great on Main Street and thrive in harsh conditions, through technology engineered to be easy to install, own, and use. (ISO)





E L E C T R I F Y T R A N S P O R T A T I O N

[tritiumcharging.com](http://tritiumcharging.com)