

# PKM150









National Electric Vehicle Infrastructure  
(NEVI) Formula Program System



Tritium has manufactured state-of-the-art direct-current (DC) fast charging systems for electric vehicles for more than a decade. We're proud to present our NEVI-compliant system. It is designed to charge four EVs at once, provides maximum reliability, and to meet Buy America standards.



# Tritium NEVI System

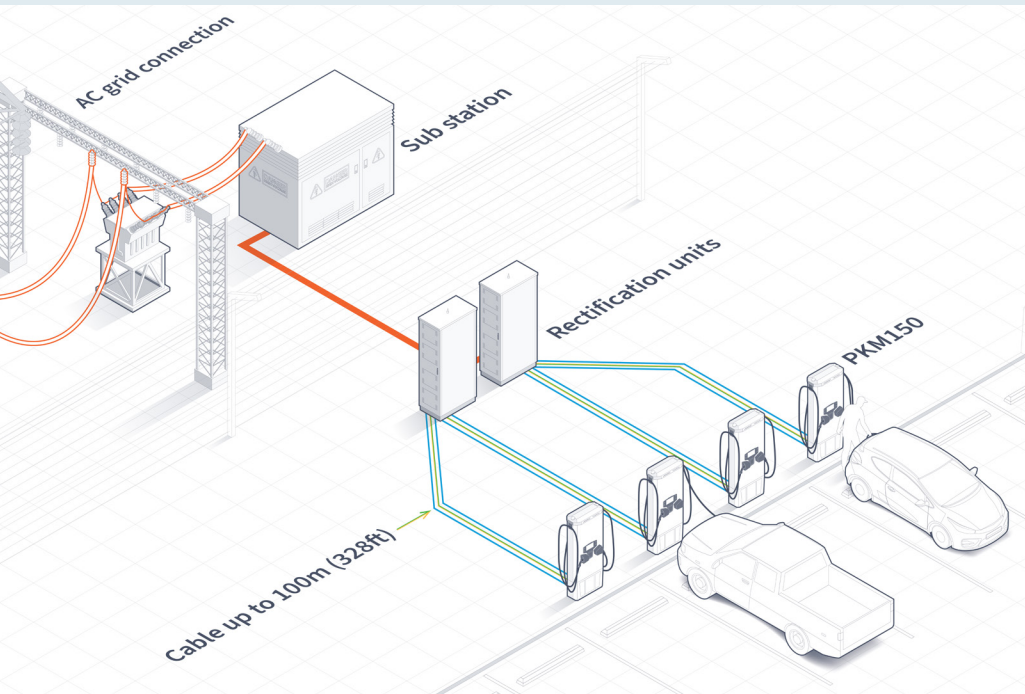
-  NEVI compliant
-  Buy America compliant
-  4 EVs at 150kW each
-  Up to 93 mi in 10 min
-  CCS-1 connectors
-  NACS connectors *coming soon*
-  UL certification
-  Distributed DC

The National Electric Vehicle Infrastructure (NEVI) Formula Program provides \$5 billion in funding for direct current (DC) fast charging sites.





NEVI aims to establish a coast-to-coast charging network in the US. It's a major step toward electrifying transportation in the US. Tritium has created an EV charging system that is designed to meet NEVI requirements.

## Configuration

The Tritium NEVI system consists of four modular 150kW chargers connected to two 360kW power rectifier units. The system can charge four EVs through combined charging system (CCS) connectors and North American Charging Standard (NACS) connectors, supporting a total minimum charging capacity of 600kW.



## PKM150 Site Design

-  Electricity | AC high voltage
-  Electricity | AC low voltage
-  Electricity | DC high voltage
-  Communications

### Distributed DC

- ▶ Lower site construction costs
- ▶ Easy installation and setup
- ▶ Scalable – higher power, more chargers
- ▶ Reliable – redundant power rectification

# How does Tritium meet NEVI requirements?

## Buy-America standards

The chargers and power rectifiers in the Tritium NEVI system are designed to meet current Federal Highway Administration (FHWA) Buy America requirements.

Tritium chargers and power rectifiers will be assembled in our new Tennessee manufacturing facility using many materials and components from US suppliers.

## Reliable

The Tritium NEVI solution uses four chargers and two power rectifier units, providing backup charging power for higher reliability and site uptime. If one charger requires maintenance, the remaining three stay operational.

PKM150 charging stations use modular components, many of which are common with our award winning RTM system. If a single power module fails, the charger continues to operate and the components can be replaced in the

field by one technician in minutes for maintenance or upgrades. Tritium is committed to providing the hardware, service, and support to ensure that our chargers meet or exceed NEVI's 97% uptime requirements for reliability.

## Efficient site design

The PKM system's 950V distributed DC system uses less cabling compared to other charging systems' 480V alternating current (AC) cabling, potentially saving thousands of dollars in site infrastructure costs.



## PKM150 charger features and specifications

- ▶ 150kW DC fast charger
- ▶ Compact footprint for easy installation
- ▶ Liquid cooled charging station has IP65 sealed enclosure (NEMA 3R)
- ▶ IK10 impact rating
- ▶ Operating temperature range: -31°F to +122°F
- ▶ Two charging cables: At least one CCS1 charging cable is required per NEVI system, and the second cable can be either CCS1, CHAdeMO, or NACS (coming soon).
- ▶ Contactless 3-in-1 credit card reader options
- ▶ ISO15118 Plug and Charge supported
- ▶ Multi-language support
- ▶ Ethernet & cellular wireless communications
- ▶ 19ft 8in charging cables with cable management
- ▶ 10.1" LCD display
- ▶ Charge state indicator lights to identify each charging cable's status from a distance
- ▶ LED security lighting, front and back
- ▶ Charging station meets US Americans with Disabilities Act (ADA) accessibility height requirements
- ▶ Custom vinyl wraps available

# World-class chargers

trusted by these companies



## Your Cutting-Edge Technology Partner

Founded in 2001, Tritium designs 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.





A U S T R A L I A • E U R O P E • A M E R I C A S

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