



PKM150

A highly advanced DC fast charging system designed to achieve capital and operational efficiency.





CHARGE MORE.

Introducing the PKM150, Tritium's unique approach to a modular and scalable direct current (DC) fast charging system designed for more cost-effective operations and infrastructure deployment.

Industry first DC microgrid design, creating a pool of shared power for the system's chargers to access.

Exceed grid limits, by leveraging the pool of shared power to deliver higher charger availability and power output, with minimal capital investment.

Field-proven modular components for world-class reliability and serviceability.



Optimal cost and power delivery per charging port



Choose between 50kW, 100kW or 150kW power level per charging station and charge up to eight vehicles simultaneously



THE FUTURE IS SCALABILITY

Over more than a decade of DC fast charging experience, our customers have made one thing clear: they want to purchase charging technology that meets today's demand, with a clear and easy path to upgrade in the future.

Typically, owners and operators can choose to deploy their sites with maximum power now, at power levels that exceed most EV charging capabilities, or purchase charging technology that meets current EV charging capabilities but fails to grow with future EV charging capabilities. With our new DC microgrid architecture, Tritium has developed an optimal way to deploy fast charging infrastructure that can scale over time in multiple dimensions. This innovative architecture provides

customers with the opportunity to invest in a truly scalable DC fast charging system, offering a cost-effective way to scale up their charging sites with more charger power and scale out their sites with more charging stations. And, when customers are ready to increase power, the PKM150 system enables them to oversubscribe power to their sites. This means that our customers can install chargers which have a combined power that exceeds the site's grid capacity.

This innovative solution creates a dynamic network of shared power, increasing the number of charging points possible at the site. By sharing the power, Tritium has broken the traditional one-to-one relationship of power conversion to charging output. Sharing the power in this DC microgrid enables operators to deploy less power conversion equipment and reduce associated costs, while delivering an excellent driver experience.



CAPITAL EFFICIENT INFRASTRUCTURE

The PKM150 has been designed to reduce customers' capital expenditure (CapEx) in two ways. First, power is transmitted around the charging park at 950V DC rather than 400V alternating current (AC). This halves the gauge of cabling required to wire the site, which can lead to up to tens of thousands of dollars in savings for small charging parks and hundreds of thousands of dollars in savings for large charging parks.

Second, the system's elegant design allows customers to grow site power and scale to meet future demands, providing customers with the opportunity to delay CapEx. The immediate savings can be redistributed, enabling operators to invest additional capital in premier charging locations to optimally expand their network and grow their business.



Halve the gauge of cabling required to wire a site



Same size charging station enclosure as the award-winning RTM, but with twice the power





TWICE THE RELIABILITY

Reliability means everything if you are stuck on the side of a highway, miles from home. Because the PKM architecture centralizes all the AC/DC conversion, it removes half of the power electronics failure surface from the charging station. The liquid cooled power modules in the charging station are covered by a lifetime warranty to provide even more confidence. The PKM150 is also a highly modular product, making it faster and easier to service and maintain.

Through the unique approach to modular design, Tritium can provide customers with chargers, components and modules that have been rigorously field tested and are interchangeable between models. This vision is already being realized, with up to 80% of the same components being used between the RTM and PKM charging stations.



World-class reliability through an award-winning and field-proven architecture



Proprietary modular system designed for maximum reliability and serviceability

INDUSTRY'S FIRST DC-POWERED FAST CHARGER

Front and back LED downlights for increased visibility

Multiple languages on an intuitive display

6-metre (~20 feet) cables with management system

Small footprint, sharing the same footprint and bolt pattern as the RTM and RT50



Proprietary modular system designed for maximum reliability and serviceability

Easy upgrades and Smart design with single person lift power modules

Liquid cooled and fully sealed, IP65 rated charging station enclosure



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.

Reduced Total Cost of Ownership

The PKM charging station's sealed enclosure and liquid cooled technology ensures reduced total cost of ownership compared to air-cooled chargers.

Maximum Revenue and Real Estate Usage

Small footprint allows chargers to be installed anywhere and ensures site hosts do not lose car parking spaces

Unique Modular and Scalable Charging

A modular ecosystem of chargers, components and modules, interchangeable between models and rigorously field tested.



TRITIUM

AMERICAS • APAC • EUROPE • UK

tritiumcharging.com



Designed in Australia



Manufactured in U.S.A