ContainerPower Energy Solutions

DC fast charging inverter

Overview

What is a DC fast charger?

DC fast chargers are high-powered electric vehicle charging stations which provide a much faster charging experience compared to the more conventional Level 1 or Level 2 battery chargers. These direct current level 3 fast chargers are typically found at public charging stations where drivers may need a quick boost to continue on their journey.

What is the voltage output of a DC fast charger?

The voltage output of this lower powered DC fast charger can vary depending on the charger’s power rating and the vehicle it is charging but is typically around 200 to 400 volts which can add around 100-150 miles of range in 30-60 minutes of charge. Level 2 chargers commonly found at many public charging stations.

What is the difference between AC and DC fast chargers?

While most home charging systems use alternating current (AC) to charge a vehicle’s battery, DC fast chargers use direct current. This key difference in how electricity is delivered allows DC fast chargers to bypass the car’s onboard charging system and feed power directly into the battery, enabling significantly faster charging times.

What is a DC-DC EV charger?

Our DC-DC EV chargers, including the first solar panels fed EV charge, based on the Elevation DC platform eliminate the need for AC to DC conversion bringing energy savings and faster changing times. This will change the whole paradigm of how the EV charging infrastructure will be built in the future.

What is a solar 30kW DC-DC EV charger?

The all new and innovative solar 30kW DC-DC EV charger with DC input and MPPT functionality is a highly advanced and efficient solution for providing EV

charging possibilities at sites with installed solar panels and no AC grid available.

What is a 30kW DC coupled EV charger?

This 30kW DC coupled EV charger provides true power output of 30 kilowatts even to well-exhausted EV batteries. Being possible to output voltage of 1000V, this solar panels fed EV charger can charge any vehicle on the market – low-voltage architectures, high-voltage architectures, and even buses and trucks

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