

# CHARGING FORWARD

For ease of charging, the NRR EV is equipped with charging ports that accommodate the most popular charging connectors in the U.S.:

- Level 2 AC charging (J1772)
- Level 3 DC “fast” charging (CCS1)

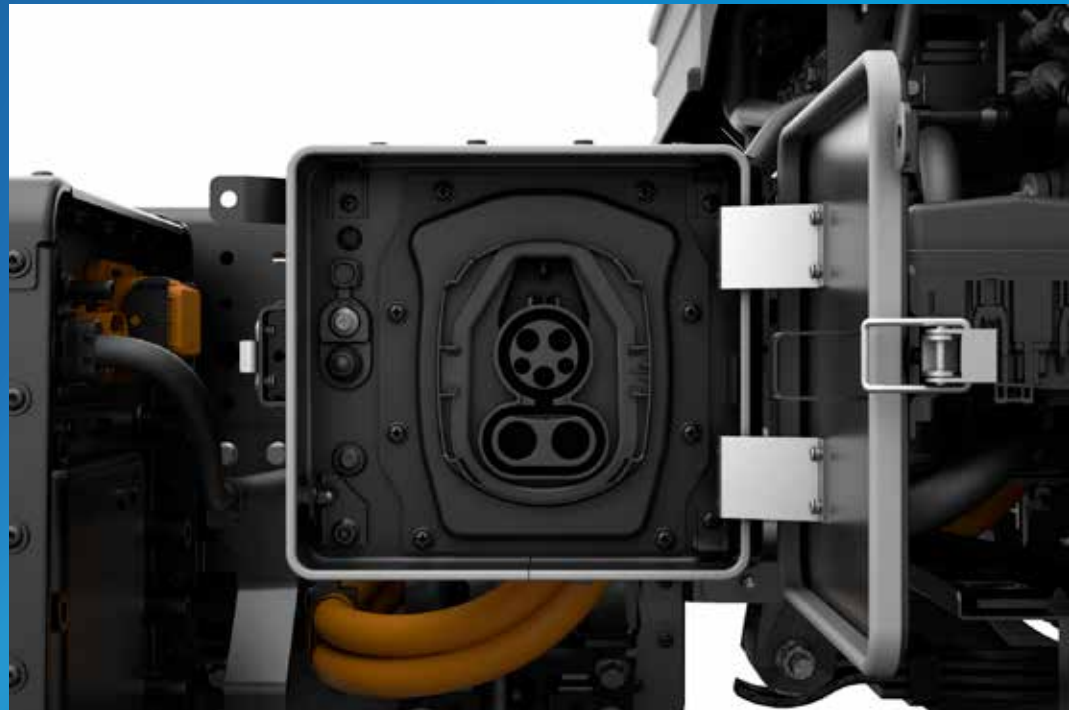
Charging time varies depending on charging output and the condition of the batteries. Isuzu recommends operating the NRR EV with the batteries charged to 90% of their capacity, and recharging when the batteries are still above 20% of their capacity. The chart to the right shows the charging time from 20% to 90% for each battery configuration.

**Running hot and cold.** Isuzu trucks are sold in over 150 countries around the world and are expected to operate in every type of climate. As a result, Isuzu engineers developed a battery temperature management system to operate in both extreme heat and the punishing cold.

## CHARGING TIMES

	60 kWh	100 kWh	140 kWh	180 kWh
Normal charge (AC)	7.2 kW 6.5 hours	19.2 kW 4 hours	19.2 kW 5.7 hours	19.2 kW 7.3 hours
Rapid charge (DC)	42 kW 1.2 hours	70 kW 1.2 hours	80 kW 1.5 hours	80 kW 1.8 hours

*All times are approximate. DC charging time will be longer in cold regions. Please allow up to one hour additional charging time in cold regions. Chart shows the charging times from 20% to 90% state of charge for each battery configuration.*



The NRR EV’s high voltage batteries and electric drive motor are cooled by a water-based coolant. Without sufficient cooling, drive motor output will decrease; high voltage battery output will drop; charging time will increase.

The battery temperature management system also responds to freezing weather—even when the truck is turned off. Heating control is activated to prevent the battery’s temperature from reaching a level (approximately -4° Fahrenheit) that makes it impossible to start the truck. The batteries’ state of charge must be above 0% for the system to operate.