


Battery Electric

# BP107E


accelerate the shift™



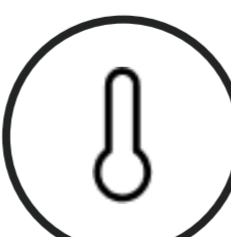
Powerful. Lightweight. Fast charging.




Cell-to-Pack  
Construction



DC Fast Charging  
Capability



Temperature Control



Battery  
Management  
System

# Breaking barriers in the EV market

## Benefits



Cell chemistry offers an improved safety rating with increased resistance to external damage.

This battery structure is designed to integrate easily into a medium-duty truck's chassis.

The longer cycle life delivers more total useable miles for customers.

We are innovating our battery designs and chemistries to be aligned with existing and expanding charging infrastructure.

Has the ability to be stored at a higher state of charge which simplifies fleet management and increases uptime.

Has an overall lower total cost of ownership increasing affordability for customers.

## Features



### Cell-to-Pack Construction

Efficient cell construction maximizes pack energy density.

### DC Fast Charging Capability

State of charge from 0-80% in less than 1 hour.

### Temperature Control

Liquid cooling for optimum cell performance and longevity.

### Battery Management System

Efficiently controls power while ensuring system health.

## Battery Specifications

|                             |   |
|-----------------------------|---|
| Chemistry                   | Lithium Iron Phosphate                    |
| Dimensions                  | 1680 mm x 630 mm x 504 mm                 |
| Weight (dry)                | 780 kg                                    |
| Energy                      | Nominal: 107 kW / Depth of Discharge: 90% |
| Peak Power                  | Charge: 214 kW / Discharge: 321 kW        |
| Continuous Power            | Charge: 107 kW / Discharge: 107 kW        |
| Charging Capacity           | 0 - 80% DSOC in 1 hour                    |
| Operating Voltage           | 562 - 648 V                               |
| Cooling                     | H2O and Ethylene Glycol, 50:50            |
| Ingress Protection          | IP6K9K and IP67                           |
| Cycle Life                  | > 4000 (1C/1C @ 25 Celsius)               |
| Operating Temperature Range | -30 to 50°C                               |
| Communication               | SAE J1939                                 |
| ESS Configurations          | Up to 4 in parallel                       |