

# Onyx Slate



## H1-5

### Proterra® Battery Pack Specifications

| Parameter      |                                                                          | Specification                       |  |
|----------------|--------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|
| Energy Density | Nominal Installed Energy                                                 | 27 kWh                              | 28 kWh                                                                              |
|                | Gravimetric Energy Density                                               | 156 Wh/kg                           | 164 Wh/kg                                                                           |
|                | Volumetric Energy Density                                                | 242 Wh/L                            | 250 Wh/L                                                                            |
| Voltage        | High Voltage, Nominal                                                    | 223 V                               | 217 V                                                                               |
|                | Low Voltage                                                              | 12V, 24V                            |                                                                                     |
| Dimensions     | Height                                                                   | 175 mm                              |                                                                                     |
|                | Width                                                                    | 620 mm                              |                                                                                     |
|                | Length                                                                   | 1042 mm                             |                                                                                     |
| Weight         | Kilograms                                                                | 175 kg                              | 172 kg                                                                              |
| Temperature    | Ambient Temperature                                                      | -30°C to +55°C                      |                                                                                     |
|                | Type of Cooling                                                          | Liquid, 50/50 Water Ethylene Glycol |                                                                                     |
| Ingress        | Ingress Protection                                                       | IP6k9k / IPxxB                      |                                                                                     |
| Communication  | Communication                                                            | CAN J1939                           |                                                                                     |
|                | Diagnostics                                                              | Proprietary (DM1 capable)           |                                                                                     |
| Configurations | ESS                                                                      | Up to 16 packs in parallel          |                                                                                     |
| Charge         | Continuous charge performance                                            | 0.5 C                               |                                                                                     |
|                | Continuous regen performance                                             | 0.5 C/0.5 E                         |                                                                                     |
|                | Peak charge performance (300 sec)                                        | 1.0 C                               |                                                                                     |
|                | Continuous discharge performance                                         | 1.3 C/1.2 E                         |                                                                                     |
|                | Peak discharge performance (60 sec)                                      | 3.0 C/3.0 E                         |                                                                                     |
|                | Peak regen performance (60 sec)                                          | 1.0 C/1.0 E                         |                                                                                     |
|                | Charge time (20-80% State of Charge)<br><i>Specific Conditions Apply</i> | 54 minutes                          |                                                                                     |

Tested in accordance with SAE J2929, UN38.3, ISO 20653, IEC 60068-2-1, SAE J2464, ECE R100.03

 Identifies US Cell Option Specifications

