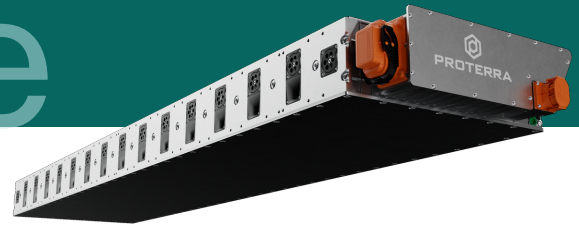


# Onyx Slate



## H1-15

### Proterra® Battery Pack Specifications

| Parameter      |                                                                     | Specification                       |
|----------------|---------------------------------------------------------------------|-------------------------------------|
| Energy Density | Nominal Installed Energy                                            | 82 kWh                              |
|                | Gravimetric Energy Density                                          | 164 Wh/kg                           |
|                | Volumetric Energy Density                                           | 270 Wh/L                            |
| Voltage        | High Voltage Range (Min-Nom-Max)                                    | 450-660-756 V                       |
|                | Low Voltage                                                         | 12V, 24V                            |
| Dimensions     | Height                                                              | 175 mm                              |
|                | Width                                                               | 620 mm                              |
|                | Length                                                              | 2806 mm                             |
| Life           | 80% State of Health (SOH) based on Gross discharge throughout (GDT) | 130 MWh                             |
| 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)                                | 54 minutes                          |

*\*Specific Conditions Apply*

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



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