# **Vigilant NERC Report**

## **Metadata**

|  |  |  |  |
| --- | --- | --- | --- |
| Battery Name | Hoppecke Staging | Manufactured Date | 2021-03-01 |
| Model | HPZS 345 | Install Date | 2021-03-01 |
| Manufacturer | Hoppecke | Report Date | 2021-10-11 16:26:51 |
| Nominal Voltage | 2.0 | Reporting System | Vigilant BMS |
| Nominal Capacity | 345.0 | System Version | 1.3.7-dev |
| Ambient Temperature (°C) | 25.4 | Average Post Temperature (°C) | 29.6 |

## **Station DC Supply PRC-005-6 Compliance Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| Battery Float Voltage | Pass | Jar Voltage | Warning |
| Battery Continuity | Pass | Jar Resistance | Fail |
| Post Temperature | Warning | Electrolyte Level | Fail |
| Ground Fault | Pass | Station DC Supply | Pass |

## **Station DC Supply TPL-001-5 Compliance Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| Battery Continuity | Pass | Station DC Supply | Pass |

**Summary Data**

|  |  |  |  |
| --- | --- | --- | --- |
| **Battery Voltage (V)** | **Battery Current (A)** | **Ambient Temp (°C)** | **Ground Fault** |
| 53.90 | 2.22 | 25.4 | Pass |

**Cable & Intertier Data**

|  |  |  |
| --- | --- | --- |
| **ID** | **Interconnection Type** | **Resistance (μΩ)** |
| 1 | Cable | 1127.78 |
| 13 | Intertier | 3978.52 |
| 25 | Cable | 1406.01 |

**Battery & Strap Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Min | 2.21  (Jar 17) | 1.30  (Jar 4) | 29.57  (Jar 3) | 41.37  (Jar 21) |
| Average | 2.23 | 1.48 | 31.02 | 55.62 |
| Max | 2.26  (Jar 4) | 2.77  (Jar 1) | 32.14  (Jar 4) | 69.06  (Jar 12) |
| **Jar ID** | **Jar Voltage (V)** | **Jar Resistance (mΩ)** | **Post Temperature (°C)** | **Strap Resistance (μΩ)** |
| 1 | 2.24 | 2.77 | 31.88 | n/a |
| 2 | 2.23 | 1.58 | 31.04 | 56.07 |
| 3 | 2.24 | 1.43 | 29.57 | 48.27 |
| 4 | 2.26 | 1.30 | 32.14 | 49.48 |
| 5 | 2.23 | 1.38 | 31.05 | 63.23 |
| 6 | 2.24 | 1.36 | 31.61 | 51.47 |
| 7 | 2.23 | 1.56 | 30.41 | 51.97 |
| 8 | 2.23 | 1.33 | 31.25 | 56.40 |
| 9 | 2.23 | 1.39 | 29.69 | 54.09 |
| 10 | 2.23 | 1.40 | 31.49 | 59.83 |
| 11 | 2.23 | 1.57 | 31.03 | 55.83 |
| 12 | 2.25 | 1.34 | 30.54 | 69.06 |
| 13 | 2.23 | 1.48 | 29.75 | n/a |
| 14 | 2.23 | 1.35 | 31.23 | 53.95 |
| 15 | 2.23 | 1.43 | 29.62 | 55.09 |
| 16 | 2.22 | 1.40 | 31.45 | 64.04 |
| 17 | 2.21 | 1.36 | 31.89 | 66.87 |
| 18 | 2.21 | 1.38 | 31.38 | 56.65 |
| 19 | 2.23 | 1.36 | 30.52 | 55.09 |
| 20 | 2.23 | 1.45 | 30.92 | 45.03 |
| 21 | 2.21 | 1.57 | 31.25 | 41.37 |
| 22 | 2.23 | 1.49 | 31.29 | 46.30 |
| 23 | 2.22 | 1.48 | 31.65 | 61.53 |
| 24 | 2.22 | 1.37 | 31.75 | 61.96 |