

# NERC Report

BatteryDAQ provides streamlined reporting methods for NERC PRC-005 compliance.

Method	Name	Description
1	<b>DTU Integrated NERC report</b>	Create NERC report directly from DTU web page with real-time data and service notes.
2	<b>Excel NERC workbook</b>	Centralized Excel workbook with VBA macro to collect real-time data from remote sites and generate NERC reports. We continue to support the Excel workbook for NERC reporting.
3	<b>Master-810</b>	Centralized data management system for large-scale deployment.

**[Book a web meeting with BatteryDAQ to go through details.](#)**

**[This guide is for method-1, the integrated report on DTU web page.](#)**

## Features

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- ✓ Instant NERC report generation on web interface without the need of any software.
- ✓ Snapshot of real-time data with date/time stamp.
- ✓ Including all NERC PRC-005 required data and checkpoints.
- ✓ Comparison columns for **Real-time** Internal Resistance and Connection Resistance data vs **Baseline**.
- ✓ Highlight rows with set thresholds for quick identification of cells of concern.
- ✓ Formatted for easy printing or saving as PDF.

### **Unique features [Other BMS vendor may not have]**

- ✓ Summary of battery data range.
- ✓ Tracking in-person Electrolyte inspection and water-topping. Overdue warning.
- ✓ Battery terminal connection resistance.
- ✓ Logged service notes.

# 1. Operation

## Customer Logo Update

Help → NERC Report → update logo. (use default password if you have not set your own password.)



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[DTU ID: 21999](#) [Print](#) :: [Export](#) :: [History](#) :: [Float](#) :: [Electrolyte](#) :: [LoadTest](#) :: [NERC Report](#)

### NERC Report



[Update Logo](#) [Password Protected]

Notes display install/service log saved in DTU, plus white space for handwriting additional info.

Click on PRINTER icon or CTRL+P to print or save as pdf.  
Click on "More Settings", adjust Scale to about 85% to fit all 60-cell contents on one page. Two pages for 120-cell.  
Change Margins to Minimum if needed.

<h4>Sign in to access this site</h4> <p>Authorization required by http://10.16.100.29 Your connection to this site is not secure</p> <p>Username <input type="text" value="admin"/></p> <p>Password <input type="password" value="...."/></p> <p><input type="button" value="Sign in"/> <input type="button" value="Cancel"/></p>	<h4>NERC Report Logo Update</h4> <p>IMPORTANT: The filename must be ".png" or ".jpg", size limit 100KB.</p> <p><input type="button" value="Choose File"/> No file chosen</p> <p><input type="button" value="Upload Logo"/></p> <p>Only authorized person can update logo.</p>
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You may need to edit the size and shape of your logo to make a perfect fit.

Go to each unit page (if more than one unit on a DTU), click on "NERC Report".

For 250V with 2 units per string, just go to the first unit.



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Site: name a site here Unit#1: DemoData at 5/12/2026, 8:15:37 AM [RTC: 5/12/2026, 8:15]

## 2. Descriptions of Report Sections

<b>Section #1:</b>	Site and Battery information, retrieved from settings. Battery string data, terminal resistance Electrolyte inspection and water topping tracking, overdue warning.
<b>Section #2:</b>	Cell data, internal resistance change (percentage vs baseline). Connection resistance change (micro-ohm). Water-topping checks. Highlighting row(s) against unit alarm settings.



**NERC Report: name a site here** 🖨️ 5/7/2026

<b>name a site here</b>	Bank-1	DemoData	MESA-1	BAE 13 OGi-1	Mfr: 2021-12-01	Monitored by	<a href="#">BatteryDAQ</a>
String_60 cells	<b>132.9 V</b>	High/Low	0.0 ♦ 1600.0 V	Current(avgFloat)	<b>1.2 A (0.00)</b>	Ripple	0.0 A
Avg Cell	<b>2.215 V</b>	Max(Min)	2.234 (2.187)	Ambient(Peak)	23.4°C (-40.0)	Pilot(Max)	26.5°C (-40.0)
Terminal (+)	0 (uΩ)	Terminal (-)	2 (uΩ)	EL Inspection	<b>2025-9-12[O/D]</b>	Water Topped	2025-9-12

Cell#	Vol	IR(mΩ)	Base	(%)	CR(uΩ)	Base	Change	Add Water	Cell#	Vol	IR(mΩ)	Base	(%)	CR(uΩ)	Base	Change	Add Water
#1	2.212	0.438	0.438	0.0	2	2	0		#31	2.221	0.438	0.438	0.0	2	2	0	
#2	2.216	0.433	0.433	0.0	4	4	0		#32	2.226	0.445	0.445	0.0	2	2	0	
#3	2.219	0.441	0.441	0.0	32	32	0		#33	2.203	0.423	0.423	0.0	34	34	0	
#4	2.221	0.439	0.439	0.0	3	3	0		#34	2.216	0.436	0.436	0.0	3	3	0	
#5	2.220	0.438	0.438	0.0	5	5	0		#35	2.228	0.467	0.467	0.0	2	2	0	
#6	2.193	0.439	0.439	0.0	37	37	0		#36	2.221	0.436	0.436	0.0	31	31	0	
#7	2.217	0.437	0.437	0.0	2	2	0		#37	2.225	0.436	0.436	0.0	2	2	0	
#8	2.225	0.440	0.440	0.0	4	4	0		#38	2.229	0.443	0.443	0.0	3	3	0	
#9	2.226	0.439	0.439	0.0	31	31	0		#39	2.216	0.427	0.427	0.0	29	29	0	
#10	2.214	0.434	0.434	0.0	8	8	0		#40	2.221	0.435	0.435	0.0	6	6	0	
#11	2.215	0.435	0.435	0.0	2	2	0		#41	2.211	0.427	0.427	0.0	2	2	0	
#12	2.208	0.439	0.439	0.0	35	35	0		#42	2.187	0.436	0.436	0.0	31	31	0	
#13	2.213	0.436	0.436	0.0	2	2	0		#43	2.227	0.439	0.439	0.0	3	3	0	
#14	2.215	0.437	0.437	0.0	2	2	0		#44	2.225	0.432	0.432	0.0	3	3	0	
#15	2.215	0.438	0.438	0.0	26	26	0		#45	2.210	0.416	0.416	0.0	26	26	0	
#16	2.221	0.431	0.431	0.0	2	2	0		#46	2.217	0.445	0.445	0.0	2	2	0	
#17	2.224	0.439	0.439	0.0	2	2	0		#47	2.227	0.458	0.458	0.0	2	2	0	
#18	2.217	0.435	0.435	0.0	34	34	0		#48	2.220	0.434	0.434	0.0	32	32	0	
#19	2.205	0.439	0.439	0.0	2	2	0		#49	2.216	0.434	0.434	0.0	2	2	0	
#20	2.211	0.440	0.440	0.0	2	2	0		#50	2.220	0.447	0.447	0.0	2	2	0	
#21	2.206	0.435	0.435	0.0	32	32	0		#51	2.207	0.422	0.422	0.0	33	33	0	
#22	2.217	0.432	0.432	0.0	2	2	0		#52	2.217	0.435	0.435	0.0	2	2	0	
#23	2.217	0.432	0.432	0.0	2	2	0		#53	2.222	0.446	0.446	0.0	2	2	0	
#24	2.234	0.452	0.452	0.0	31	31	0		#54	2.213	0.419	0.419	0.0	30	30	0	
#25	2.211	0.429	0.429	0.0	4	4	0		#55	2.210	0.426	0.426	0.0	2	2	0	
#26	2.217	0.428	0.428	0.0	2	2	0		#56	2.213	0.425	0.425	0.0	7	7	0	
#27	2.210	0.427	0.427	0.0	33	33	0		#57	2.204	0.419	0.419	0.0	33	33	0	
#28	2.215	0.431	0.431	0.0	2	2	0		#58	2.207	0.415	0.415	0.0	3	3	0	
#29	2.215	0.437	0.437	0.0	3	3	0		#59	2.223	0.452	0.452	0.0	3	3	0	
#30	2.206	0.423	0.423	0.0	169	169	0		#60	2.222	0.430	0.430	0.0	2	2	0	

<b>Section #3</b>	Other required in-person inspection items: Charger, Electrolyte, Grounds, Rack and Ventilation
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Charger (Vol)	Charger (Amp)	Electrolyte Level	Acid Spill Cleaning	Unintentional Grounds	Battery Rack	Fan/Vent
		Inspected <input type="checkbox"/>	Cleaned <input type="checkbox"/>	Checked <input type="checkbox"/>	Checked <input type="checkbox"/>	Checked <input type="checkbox"/>

When the in-person inspection is within due days, the checkboxes will be automatically checked.

Charger (Vol)	Charger (Amp)	Electrolyte Level	Acid Spill Cleaning	Unintentional Grounds	Battery Rack	Fan/Vent
		Inspected <input checked="" type="checkbox"/>	Cleaned <input checked="" type="checkbox"/>	Checked <input checked="" type="checkbox"/>	Checked <input checked="" type="checkbox"/>	Checked <input checked="" type="checkbox"/>

<b>Section #4</b>	Battery service log, retrieved from DTU. If needed, update service log on DTU and re-generate NERC report.
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<p>Notes: Baseline Updated on 2025-6-6 10:31:5</p> <p>Service Notes</p> <p>[While topping up water, any acid dripping from the cap onto cell surface must be neutralized and cleaned.]</p>
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<b>Section #5</b>	Crew leader review and approval
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Date Completed	Any BMS Alarm?	Further Attention Required?	Crew Leader	Approved by [Supervisor]
	No <input type="checkbox"/> Yes <input type="checkbox"/>	No <input type="checkbox"/> Yes <input type="checkbox"/>		