## Take Charge of Your Batteries with BATTERY RX™



**Battery Rx** is a fleet management tool designed to monitor, record and report on the health of your batteries, in turn extending useful battery life and enhancing overall fleet productivity. It provides an alert when there is an issue with the battery that might affect its performance or create downtime. Battery Rx provides annual cost savings by minimizing the need for battery replacements.

This advanced battery monitor is secured to the battery and communicates with your battery chargers, transforming your facility into a "smart fleet" operation. Battery Rx is able to uniquely identify each battery, and stays with it for the rest of its life, continuously monitoring use, recommending rotation schedules and advising users on estimated battery life expectancy.

Battery Rx also enables you to lower annual costs by minimizing

## SPECIFICATIONS

- · Compatible with all 24 to 96V batteries
- Dimensions: 7.63" L x 2.25" W x 1.25" D
- Current measurement range +/- 1000 amps
- Electrolyte immersed temp sensor with -20F to 165F operating range
- Water level detector
- Designed to handle acid immersion and high pressure spray from battery washing

downtime and reducing battery replacements through features such as preventative maintenance scheduling and real-time alerts for issues that might affect battery performance. It can also help you better control ongoing battery costs by automatically tracking your fleet's battery warranty compliance, and reporting on any warranty deviations.

All battery health and charge data is directly downloadable from the battery, delivering actionable data without costly infrastructure. In addition, Battery Rx features an optional cellular connection to let you view and download real-time fleet info from the web via AV's PosiCharge PosiNet back-office system.

Battery Rx works with AeroVironment's complete line of PosiCharge products.



All specifications are subject to change. image shown is a representation; production model may vary slightly in appearance

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PROCEED WITH CERTAINTY PosiCharge<sup>™</sup> systems, a product line of AeroVironment, Inc. 1.866.767.4242 | info@posicharge.com © 2017 AeroVironment, Inc. posichargeprocore.com @posicharge posicharge.com

## **POSINET®** BACK-OFFICE DATA MANAGEMENT SOFTWARE

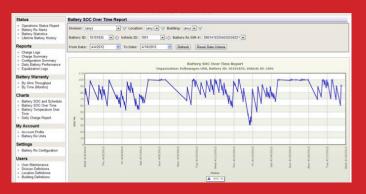
Full suite of battery and charger data analysis tool

- Extensive reporting capabilities
- Ability to download fleet info from the internet.
- Intuitive user interface
- Delivers weekly exception reports and lifetime battery historical reports
- Real time alerts for early issue detection
- Prevents long term battery damage before it is too late
- Key email alerts: Battery Low SOC | High Battery Temperature | Battery Low Water

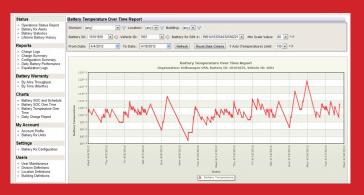
*Figure 1.* OPERATIONS STATUS REPORT – Provides a simple summary of the battery performance and maintenance issues for the past week.

Operations Status Report     Battery Rx Alerts     Battery Statistics	Expand as Board as Color    Gold Coloren Choose:    Spore In Service Date and Invalid Date Pilers     Corganization; Roat      •													
Lifetime Battery History														
Reports	Weekly	Start/End:	Tuesday to 1	Monday	- Dat	e of Week:	10/27/2013	Refr	esh 🗾	Send Repor	On Tuesda	v		
Battery History*     Battery History Logs*     Charge Logs     Charge Summary     Configuration Logs*     Configuration Summary     Daily Battery Performance     Equalization Logs	Search	Fields: 0	none)	•			Refresh	Reset Search	Criteria					
	Date Range: 10/22/2013 up to 10/28/2013													
	First   P	Yev   1 2 2	Next   Last											
		Battery ID	Vehicle ID	Batt Capacity	EQ Complete	SOC < 20%	Total Plugins	Cumul Chg Time (Houn	Total Charge Ahrs	Ahrs	Max Temp Exceeded	Temp	Days High Temp Evts	
	1	00001214	00001214	1.000	٠	٠	41	20.57	4,822	4,572	•	102.3		0
Battery Warranty	2	00001217	00001217	1,000	•	•	38	46.43	6,934	5,595	•	122.0		2
<ul> <li>By Ahrs Throughput</li> <li>By Time (Months)</li> </ul>	3	00003098	00000313	750	•		33	14.72	1,628	1,521	•	73.4		0
	4	0GAP0239	00001208	1,000	•	•	36	25.38	5,479	5,271	•	107.6		0
Charts	5	0GAP0316	00001211	1,000	٠	•	23	10.53	3,497	3,445	•	91.4		0
Battery SOC and Schedule     Battery SOC Over Time     Battery Temperature Over     Time     Daily Charge Report	6	0GAP0318	00001210	1,000	•	•	40	47.43	6,219	4,602	•	120.3		1
	7	0GAP0319	00001222	1.000	•	•	37	28.18	5,626	5,126		102.2		0
	8	0GAP0320	00001212	1,000	•	•	20	22.70	4,440	4.205		102.2		0
	9	0GAP0321	00001203	1.000	•	•	35	29.28	5,551	5,035	•	111.5		0
	10	0GAP0322	00001221	1,000	•	•	40	36.90	6.339	5.686	•	116.6		1
My Account	11	0GAP0323	00001209	1,000	•	•	41	30.32	7,041	6,894	•	109.4		0
Account Profile     Battery Rx Units     BMID Test Page*     Firmware Update Control     Panel*     E-Meter Log Report*	12	0GAP0324	00001201	1.000	•	•	37	30.15	5,741	5.668	•	104.0		0
	13	0GAP0325	00001204	1,000	•	•	38	24.68	5,705	5,322	•	102.5		0
	14	0GAP0326	00001223	1.000	•	•	44	34.92	6,224	5.191	•	111.2		0
	15	0GAP0327	00001207	1,000	٠	•	43	28.15	6,466	6,201	•	111.5		0
	16	0GAP0336	00001206	1.000			3	8.50	1,404	716	•	84.2		0
			I second second											

*Figure 2.* BATTERY SOC CHART – Provides ability to review battery SOC in detail for any time period in the history of the battery.



*Figure 3.* BATTERY TEMPERATURE CHART – Provides ability to review battery temperature in detail for any time period in the history of the battery.



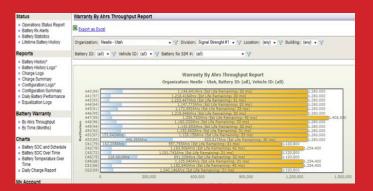
*Figure 4.* DAILY CHARGE REPORT – Provides ability to review daily battery charge Ahs and Plug In compliance.



*Figure 5.* LIFETIME BATTERY STATISTICS – Complete history of the battery, can be used to confirm warranty compliance.

Settings	Days High Temperatu	re Events	5	Remaining Battery Life (based on warranty)		22 month(s)	Number of Days with Low Water 422					
o SMS Events Report*	Temperature			Battery Life / Capacit	iv.		Water					
Battery RX Test Page*     Firmware Update Control     Panel*     E-Meter Log Report*     Firmware History Report*	Nominal Battery Voltage		48 V				Cumulative Idle Time 5,917 hr					
	Max Recorded Voltage		63.9 V				Cumulative Charge Time	3,803 hr				
	Min Recorded Voltage		44.9 V				Cumulative Key-Off Time	8,856 hr				
<ul> <li>Account Profile</li> <li>Battery Rx Units</li> </ul>	Number High Voltage Events		0	Cumulative Discharge KWhrs		24,669 KWhrs	Cumulative Key-On Time	6,275 hr				
My Account	Number Low Voltage Events		373	Cumulative Discharge Amp-hours			Cumulative Run Time	5,448 hr				
	Voltage			Discharge			Run Time / Key Time					
Battery SOC Over Time     Battery Temperature Over     Time     Daily Charge Report	Data as Of	4/6/2015	11:59 PM				Last Complete EQ Date	4/5/2015 5:30 AM				
Battery SOC and Schedule	Days in Operation	632					Equalizations					
Charts	Initialization Date 2/4/2013		2:26 PM				Max Rec Amp-hours between	7.306 Ahrs				
o By Time (Months)	Firmware Revision 00.00.09.15			Total SOC events below	20%	621	Max Rec Days between Equalizations	6 days				
Battery Warranty     By Ahrs Throughput	BATTERY MFG Serial Number	(not ente	red)	Cumulative Kilowatt-hou Charged	irs	31,976 KWhrs	Days since last Complete Equalization	1				
<ul> <li>Equalization Logs</li> </ul>	Vehicle ID	0000050		Cumulative Amp-hours		552,969 Ahrs	Total Complete Equalization events	81				
Battery History*     Battery History Lops*     Charge Lops     Charge Summary     Configuration Logs*     Configuration Summary     Daily Battery Performance	Battery ID	0GGR0069		Total Charge Events		5,357	Total Equalization hours	744				
	Battery			Charge			Equalization					
	Search Fields: (none		•	Refresh Reset Search Oriteria								
Reports	Battery ID: 00GR0069 * V Vehicle ID: 00000507 * V											
Battery Statistics     Lifetime Battery History	Organization: Mondelez • V Division: Brampton • V Location: Hopewell • V											
<ul> <li>Operations Status Report</li> <li>Battery Rx Alerts</li> </ul>	Export to PDE											

*Figure 6*. BATTERY WARRANTY – Ah Throughput comparison of Battery Fleet.





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