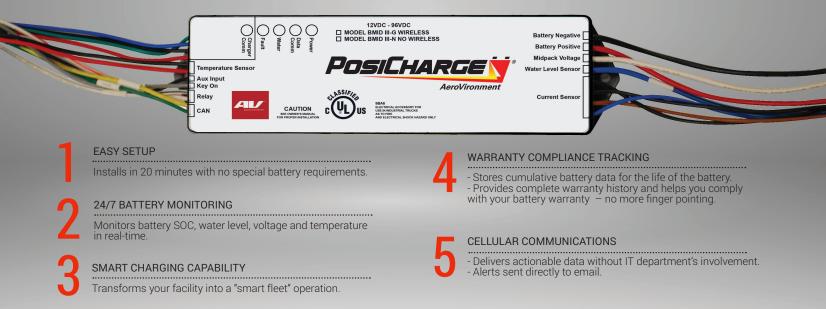
Take Charge of Your Batteries with BATTERY RX[™]



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



PosiCharge™ systems, a product line of AeroVironment, Inc. 1.866.767.4242 | info@posicharge.com © 2016 AeroVironment, Inc. posicharge.com @posicharge

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posichargeprocore.com

POSINET® BACK-OFFICE DATA MANAGEMENT SOFTWARE

Full suite of battery and charger data analyis 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 | Battery Missed EQ | 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	🔀 Evport as Excel 🕼 Export as CSy 🗏 Grid Column Chooser 🗭 Ignore In Service Date and Invalid Date Filters													
Battery Statistics Lifetime Battery History	Organ	ization: Kra	e.			• Y Div	ision: Bramptor	· · V Loca	tion: Bramp	ton-Hopewe	I • 7 B	uilding: (any		
Reports	Weekd	y Start/End:	Tuesday to 1	Monday	- Dat	of Week:	10/27/2013	Refn	esh 🛛	Send Report	On Tuesday			
Battery History* Battery History Logs* Charge Logs Charge Logs Charge Summary Configuration Logs* Configuration Summary Daily Battery Performance Equalization Logs	Search Fields: (none) • Refresh Reset Search Citeria													
	Date Range: 10/22/2013 up to 10/28/2013													
	First I	Battery ID	Vehicle ID	Batt Capacity	EQ Complete	SOC < 20%	Total Plugins	Cumul Chg Time (Hours	Total Charge Ahrs	Ahrs	Max Temp Exceeded		Days High Temp Evts	
Battan Hitanata	1	00001214	00001214	1.000		٠	41	20.57	4,822	4,572		102.2		0
Battery Warranty By Ahrs Throughput By Time (Months)	2	00001217	00001217	1,000		•	38		6,934	5,599		122.0		2
	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	OGAP0316	00001211	1,000		٠	23		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	•	120.2		1
	7	OGAP0319	00001222	1.000	•	•	37	20.10	5,626	5,126	•	102.2		0
	8	0GAP0320	00001212	1,000	•	•	28	22.70	4,440	4.208	•	102.2		0
	9	0GAP0321	00001203	1.000	•	•	35	29.28	5,551	5,039	•	111.2		0
	10	0GAP0322	00001221	1,000	•	•	40	36.90	6,339	5.600	•	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*	12	OGAP0324	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	•	102.2		0
	14	OGAP0326	00001223	1.000	•	•	44	34.92	6,224	5.191	•	111.2		0
	15	0GAP0327	00001207	1,000	•	•	43	28.15	6,466	6,205	•	111.2		0
 E-Meter Log Report* 	16	0GAP0336	00001206	1.000	•		3	8.50	1,404	716	•	84.2		0

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

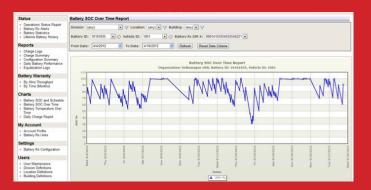


Figure 3. BATTERY TEMPERATURE CHART – Provides ability to review battery temperature in detail for any time period in the history of the battery.

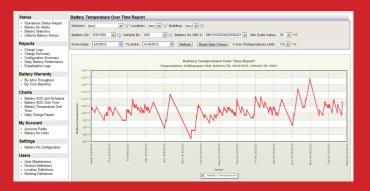


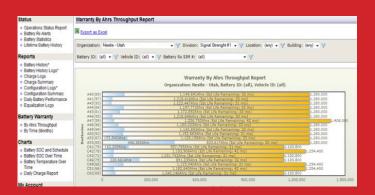
Figure 4. DAILY CHARGE REPORT – Provides ability to review daily battery charge Ahs and Plug In compliance.



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

Operations Status Report Battery Rx Alerts Battery Statistics	Exect to FDF										
o Lifetime Battery History	Organization: Mondelez • 🗸 Division: Brampton • 🗸 Location: Hopewell • 😵										
Reports		-		• •							
Battery History" Battery History Logs" Charge Logs Charge Summary Configuration Loga" Configuration Summary Daily Battery Performance Equalization Logs	Bettery JD: 000R0069 • V Vehide ID: 00000507 • V Search Fields: (rone) • Referah.										
	Battery			Charge		-	Equalization				
	Battery ID	0GGR006	9	Total Charge Events		5,357	Total Equalization hours	744			
	Vehicle ID 00000507			Cumulative Amp-hours		552,969 Ahrs	Total Complete Equalization events	81			
Battery Warranty	BATTERY MFG Serial (not ente Number		red)	Cumulative Kilowatt-hours Charged		31,976 KWhrs	Days since last Complete Equalization	1			
 By Ahrs Throughput By Time (Months) 	Firmware Revision	00.00.09.		Total SOC events below 20%		621	Max Rec Days between Equalizations	6 days			
Charts	Initialization Date 2/4/2013 2:26 PM						Max Rec Amp-hours between	7,306 Ahrs			
Battery SOC and Schedule Battery SOC Over Time Battery Temperature Over Time Daily Charge Report	Days in Operation 632						Equalizations				
	Data as Of 4/6/2015 11:59 PM						Last Complete EQ Date	4/5/2015 5:30 AM			
	Voltage			Discharge	_		Run Time / Key Time				
My Account	Number Low Voltage	Events 373		Cumulative Discharge Amp-hours		520,211 Ahrs	Cumulative Run Time	5,448 hr			
Account Profile Battery RX Units Battery RX Test Page* Firmware Update Control Panet* E-Meter Log Report* Firmware History Report* SMS Events Report*	Number High Voltage Events		0	Cumulative Discharge KWhrs		24,669 KWhrs	Cumulative Key-On Time	6,275 hr			
	Min Recorded Voltage		44.9 V				Cumulative Key-Off Time	8,856 hr			
	Max Recorded Voltage		63.9 V				Cumulative Charge Time	3,803 hr			
	Nominal Battery Volta	ge	48 V				Cumulative Idle Time	5,917 hr			
	Temperature			Battery Life / Capaci	v		Water				
Settings	Days High Temperatu	re Events	5	Remaining Battery Life (based on warranty)		22 month(s)	Number of Days with Low Wat	er 422			

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





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