

Name	Short Name	Mode & PID	Equation	Minimum	Maximum	Unit	OBD2 Header	Scale Factor	Notes
Orion BMS Torque / EngineLink Extra PIDs/Sensor List									
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NOTE: The OBD header will need to be set for these PIDs to work properly in some vehicles / applications (this should be set to whatever the OBD2 ECU ID is set to). Also, the "ECM Simulation" field may need to be enabled in the battery profile depending on whether or not the vehicle has an Engine Control Module (ECM).									
Last Updated:	7/27/2018								
Torque Website:	http://www.torque-bhp.com								
EngineLink Website:	http://www.ksolution.org/outdoor/engineLink.html								
Long Name	Short Name	Mode & PID	Equation	Minimum	Maximum	Unit	OBD2 Header	Scale Factor	Notes
Charge Power Status	Charge Power	22F004	{B:7}	0	1	ON/OFF	See Note #1	x1	
Ready Power Status	Ready Power	22F004	{B:6}	0	1	ON/OFF	See Note #1	x1	
AM Power Status	AM Power	22F004	{B:5}	0	1	ON/OFF	See Note #1	x1	
Multi-Purpose Input	Multi-purpose Input	22F004	{B:4}	0	1	ON/OFF	See Note #1	x1	
Discharge Enable	Discharge Enable	22F004	{B:0}	0	1	ON/OFF	See Note #1	x1	
Charge Enable	Charge Enable	22F004	{B:1}	0	1	ON/OFF	See Note #1	x1	
Charger Safety	Charger Safety	22F004	{B:2}	0	1	ON/OFF	See Note #1	x1	
BMS Errors Present	Errors Present	22F004	{B:3}	0	1	ON/OFF	See Note #1	x1	
Balancing Active	Balancing	B206	A	0	1	ON/OFF	See Note #1	x1	
State of Charge	SOC	22F00F	A/2.0	0	100	%	See Note #1	x1	
Depth of Discharge	DOD	22F012	A/2.0	0	100	%	See Note #1	x1	
Pack Health	SOH	22F013	A	0	100	%	See Note #1	x1	
Pack Voltage	Pack Volt	22F00D	((A*256)+B)/10.0	0	350	V	See Note #1	x1	The maximum / minimums will vary based on how many cells are installed.
Pack Sum Voltage	Summed Volt	22F014	((A*256)+B)/100.0	0	350	V	See Note #1	x1	The maximum / minimums will vary based on how many cells are installed.
Pack Open Voltage	Open Volt	22F00E	((A*256)+B)/10.0	0	350	V	See Note #1	x1	The maximum / minimums will vary based on how many cells are installed.
Pack Resistance	Pack Res	22F011	((A*256)+B)/100.0	0	255	Ohm	See Note #1	x1	
Highest Cell Voltage	High Cell Volt	22F033	((A*256)+B)/10000.0	0	5	V	See Note #1	x1	Due to a Torque limitation, accuracy is reduced to 100mv.
Highest Cell ID	High Cell ID	22F03D	A	0	180	#	See Note #1	x1	
Lowest Cell Voltage	Low Cell Volt	22F032	((A*256)+B)/10000.0	0	5	V	See Note #1	x1	Due to a Torque limitation, accuracy is reduced to 100mv.
Lowest Cell ID	Low Cell ID	22F03E	A	0	180	#	See Note #1	x1	
Highest Open Cell Volt	High Open Cell V	22F036	((A*256)+B)/10000.0	0	5	V	See Note #1	x1	Due to a Torque limitation, accuracy is reduced to 100mv.
Lowest Open Cell Volt	Low Open Cell V	22F035	((A*256)+B)/10000.0	0	5	V	See Note #1	x1	Due to a Torque limitation, accuracy is reduced to 100mv.
Highest Resistance	High Res	22F039	((A*256)+B)/100.0	0	255	mOhm	See Note #1	x1	
Lowest Resistance	Low Res	22F038	((A*256)+B)/100.0	0	255	mOhm	See Note #1	x1	
12v Supply	Supply Volt	22F046	((A*256)+B)/10.0	0	20	V	See Note #1	x1	
Total Pack Cycles	Pack Cycles	22F018	((A*256)+B)	0	65535	#	See Note #1	x1	Total number of cycles put on pack
Battery Current	Amps	22F015	((((A*256)+B)-32767.0)/10.0)*-1	-500 (NOTE #2)	500 (NOTE #2)	A	See Note #1	x1	The maximum / minimums will change based on what current sensor is installed.
Battery Power	Battery kW		(VAL{Battery Current})*VAL{Pack Sum Voltage}/1000.0	-500	500	kW	BLANK	x1	
Charge Limit	CCL	22F00A	((A*256)+B)	0	500 (NOTE #2)	A	See Note #1	x1	The maximum / minimums will change based on what current sensor is installed.
Discharge Limit	DCL	22F00B	((A*256)+B)	0	500 (NOTE #2)	A	See Note #1	x1	The maximum / minimums will change based on what current sensor is installed.
Drive Mode (Prius)	Drive Mode	22F01F	A	0	6	#	See Note #1	x1	
Highest Temperature	High Temp	22F028	A	-40	80	C	See Note #1	x1	For Fahrenheit, change equation to: (9/5)*A+32
Lowest Temperature	Low Temp	22F029	A	-40	80	C	See Note #1	x1	For Fahrenheit, change equation to: (9/5)*A+32
Heatsink Temp	Internal Temp	22F0FF	A	-40	80	C	See Note #1	x1	For Fahrenheit, change equation to: (9/5)*B+32
Temperature #1	Temp 1	22F0FF	B	-40	80	C	See Note #1	x1	For Fahrenheit, change equation to: (9/5)*B+32
Temperature #2	Temp 2	22F0FF	C	-40	80	C	See Note #1	x1	For Fahrenheit, change equation to: (9/5)*C+32
Temperature #3	Temp 3	22F0FF	D	-40	80	C	See Note #1	x1	For Fahrenheit, change equation to: (9/5)*D+32
Temperature #4	Temp 4	22F0FF	E	-40	80	C	See Note #1	x1	For Fahrenheit, change equation to: (9/5)*E+32
Cell Voltage #1	Cell1	22F100	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #2	Cell2	22F100	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #3	Cell3	22F100	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #4	Cell4	22F100	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #5	Cell5	22F100	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #6	Cell6	22F100	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #7	Cell7	22F100	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #8	Cell8	22F100	((O*256)+P)	0	5	V	See Note #1	x1	

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Cell Voltage #9	Cell9	22F100	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #10	Cell10	22F100	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #11	Cell11	22F100	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #12	Cell12	22F100	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #13	Cell13	22F101	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #14	Cell14	22F101	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #15	Cell15	22F101	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #16	Cell16	22F101	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #17	Cell17	22F101	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #18	Cell18	22F101	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #19	Cell19	22F101	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #20	Cell20	22F101	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #21	Cell21	22F101	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #22	Cell22	22F101	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #23	Cell23	22F101	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #24	Cell24	22F101	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #25	Cell25	22F102	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #26	Cell26	22F102	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #27	Cell27	22F102	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #28	Cell28	22F102	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #29	Cell29	22F102	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #30	Cell30	22F102	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #31	Cell31	22F102	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #32	Cell32	22F102	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #33	Cell33	22F102	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #34	Cell34	22F102	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #35	Cell35	22F102	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #36	Cell36	22F102	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #37	Cell37	22F103	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #38	Cell38	22F103	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #39	Cell39	22F103	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #40	Cell40	22F103	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #41	Cell41	22F103	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #42	Cell42	22F103	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #43	Cell43	22F103	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #44	Cell44	22F103	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #45	Cell45	22F103	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #46	Cell46	22F103	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #47	Cell47	22F103	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #48	Cell48	22F103	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #49	Cell49	22F104	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #50	Cell50	22F104	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #51	Cell51	22F104	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #52	Cell52	22F104	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #53	Cell53	22F104	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #54	Cell54	22F104	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #55	Cell55	22F104	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #56	Cell56	22F104	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #57	Cell57	22F104	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #58	Cell58	22F104	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #59	Cell59	22F104	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #60	Cell60	22F104	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #61	Cell61	22F105	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #62	Cell62	22F105	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #63	Cell63	22F105	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #64	Cell64	22F105	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #65	Cell65	22F105	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #66	Cell66	22F105	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #67	Cell67	22F105	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #68	Cell68	22F105	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #69	Cell69	22F105	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #70	Cell70	22F105	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #71	Cell71	22F105	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #72	Cell72	22F105	((W*256)+X)	0	5	V	See Note #1	x1	

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Cell Voltage #73	Cell73	22F106	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #74	Cell74	22F106	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #75	Cell75	22F106	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #76	Cell76	22F106	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #77	Cell77	22F106	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #78	Cell78	22F106	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #79	Cell79	22F106	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #80	Cell80	22F106	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #81	Cell81	22F106	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #82	Cell82	22F106	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #83	Cell83	22F106	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #84	Cell84	22F106	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #85	Cell85	22F107	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #86	Cell86	22F107	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #87	Cell87	22F107	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #88	Cell88	22F107	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #89	Cell89	22F107	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #90	Cell90	22F107	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #91	Cell91	22F107	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #92	Cell92	22F107	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #93	Cell93	22F107	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #94	Cell94	22F107	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #95	Cell95	22F107	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #96	Cell96	22F107	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #97	Cell97	22F108	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #98	Cell98	22F108	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #99	Cell99	22F108	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #100	Cell100	22F108	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #101	Cell101	22F108	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #102	Cell102	22F108	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #103	Cell103	22F108	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #104	Cell104	22F108	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #105	Cell105	22F108	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #106	Cell106	22F108	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #107	Cell107	22F108	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #108	Cell108	22F108	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #109	Cell109	22F109	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #110	Cell110	22F109	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #111	Cell111	22F109	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #112	Cell112	22F109	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #113	Cell113	22F109	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #114	Cell114	22F109	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #115	Cell115	22F109	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #116	Cell116	22F109	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #117	Cell117	22F109	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #118	Cell118	22F109	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #119	Cell119	22F109	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #120	Cell120	22F109	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #121	Cell121	22F10A	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #122	Cell122	22F10A	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #123	Cell123	22F10A	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #124	Cell124	22F10A	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #125	Cell125	22F10A	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #126	Cell126	22F10A	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #127	Cell127	22F10A	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #128	Cell128	22F10A	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #129	Cell129	22F10A	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #130	Cell130	22F10A	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #131	Cell131	22F10A	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #132	Cell132	22F10A	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #133	Cell133	22F10B	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #134	Cell134	22F10B	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #135	Cell135	22F10B	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #136	Cell136	22F10B	((G*256)+H)	0	5	V	See Note #1	x1	

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Cell Voltage #137	Cell137	22F10B	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #138	Cell138	22F10B	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #139	Cell139	22F10B	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #140	Cell140	22F10B	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #141	Cell141	22F10B	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #142	Cell142	22F10B	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #143	Cell143	22F10B	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #144	Cell144	22F10B	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #145	Cell145	22F10C	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #146	Cell146	22F10C	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #147	Cell147	22F10C	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #148	Cell148	22F10C	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #149	Cell149	22F10C	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #150	Cell150	22F10C	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #151	Cell151	22F10C	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #152	Cell152	22F10C	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #153	Cell153	22F10C	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #154	Cell154	22F10C	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #155	Cell155	22F10C	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #156	Cell156	22F10C	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #157	Cell157	22F10D	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #158	Cell158	22F10D	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #159	Cell159	22F10D	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #160	Cell160	22F10D	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #161	Cell161	22F10D	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #162	Cell162	22F10D	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #163	Cell163	22F10D	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #164	Cell164	22F10D	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #165	Cell165	22F10D	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #166	Cell166	22F10D	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #167	Cell167	22F10D	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #168	Cell168	22F10D	((W*256)+X)	0	5	V	See Note #1	x1	
Cell Voltage #169	Cell169	22F10E	((A*256)+B)	0	5	V	See Note #1	x1	
Cell Voltage #170	Cell170	22F10E	((C*256)+D)	0	5	V	See Note #1	x1	
Cell Voltage #171	Cell171	22F10E	((E*256)+F)	0	5	V	See Note #1	x1	
Cell Voltage #172	Cell172	22F10E	((G*256)+H)	0	5	V	See Note #1	x1	
Cell Voltage #173	Cell173	22F10E	((I*256)+J)	0	5	V	See Note #1	x1	
Cell Voltage #174	Cell174	22F10E	((K*256)+L)	0	5	V	See Note #1	x1	
Cell Voltage #175	Cell175	22F10E	((M*256)+N)	0	5	V	See Note #1	x1	
Cell Voltage #176	Cell176	22F10E	((O*256)+P)	0	5	V	See Note #1	x1	
Cell Voltage #177	Cell177	22F10E	((Q*256)+R)	0	5	V	See Note #1	x1	
Cell Voltage #178	Cell178	22F10E	((S*256)+T)	0	5	V	See Note #1	x1	
Cell Voltage #179	Cell179	22F10E	((U*256)+V)	0	5	V	See Note #1	x1	
Cell Voltage #180	Cell180	22F10E	((W*256)+X)	0	5	V	See Note #1	x1	
HPEV RPM	HPEV RPM	B48601	((A*256)+B)	0	5000	RPM	See Note #1	x1	
HPEV Motor Temp	HPEV Motor Temp	B48601	C	-40	200	C	See Note #1	x1	
HPEV Control Temp	HPEV Cont Temp	B48601	D	-40	200	C	See Note #1	x1	
HPEV Amps	HPEV Amps	B48601	((E*256)+F)/10.0	-32767	32767	A	See Note #1	x1	