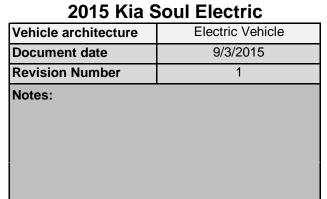






Downloadable Dynamometer Database (D<sup>3</sup>)- Test Summary Sheet



venicle Setup Information									
Test cell location	ANL APRF Bdg 371								
Vehicle dynamometer Input									
Test weight [lb]	3668								
Target A [lb]	25.303								
Target B [lb/mph]	0.42884								
Target C [lb/mph^2]	0.01654								
Test Fuel Information									
Fuel type	Electricity								
Fuel density [g/ml]	-								
Fuel Net HV [BTU/lbm]	-								

1-2																		
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							Lest cell	/	/spc/					Charles Conomy In.	000	Cycle HV, College College Bag)	Jus Jus	Workey New Energy, IDC, Inc.
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			San (CSy) Hoy stan [HSy]					/ 6	\$ \$ /	Hoop Controls	Wing. Ostion (Ly) or fC.	(b)	Q /		(A)	The 1		
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/ ×	` /	/ ,		/ ,					Wo /				5 / 4	\$ / 4	8 / Z	1		
Zest District		/ 8		188	(5) (May May 10) (5) (8)	[8] PA [8]	Vehicle Coli:	`/ &		) / ¿§		200		/ 🕉	200	200	100	1 80
( ~ ~ /	/ で Test information	/ ଓ	/	Tost (	ell inforr	nation	Test cell	Setup	/ 30	hicle set	<u> </u>	<u>/ ග</u>	/ G	/ G	/ O	tric ener	gy consu	motion
61506048	UDDS #1, Ph 1+2		06/24/15	-6	10	29	SM	0 0	72	Closed	Closed	7.44			8.672	385.9	3271.00	439.47
61506048	Hwy #1, Ph 3		06/24/15	-2	8	29	SM		72	Closed	Closed	10.24			8.606	372.3	3138.00	306.56
61506048	UDDS #2, Ph 4+5		06/24/15	-7	11	29	SM	0	72	Closed	Closed	7.49			6.253	367.8	2256.00	301.06
61506048	US06 #1, Ph 6+7		06/24/15	-4	8	29	SM	0	72	Closed	Closed	8.02			8.224	357.3	2810.00	350.18
61506049	SSS 65MPH, Ph 1	1	06/24/15	-5	10	29	SM	0	72	Closed	Closed	1.54			1.498	353.6	506.00	328.61
61506049	US06 #2, Ph 3+4	1	06/24/15	-7	11	29	SM	0	72	Closed	Closed	8.02			8.690	347.9	2904.00	361.92
61506050	UDDS #3, Ph 1+2		06/24/15	-7	10	29	SM	0	72	Closed	Closed	7.45			6.361	345.7	2165.00	290.57
61506050	Hwy #2, Ph 3		06/24/15	-2 0	7	29	SM	0	72	Closed	Closed	10.23			8.417	337.7	2800.00	273.70
61506050 61506051	UDDS #4, Ph 4+5 SSS 65 to deplete		06/24/15 06/24/15	-8 -2	10	29 29	SM SM	0	72 72	Closed Closed	Closed Closed	7.50 3.27			6.683 4.135	331.9 303.9	2178.00 1247.00	290.56 380.77
Full charge tes	·	1	00/24/10		,	20	Olvi	U	12	Olosca	Totals	71.21			67.5	303.3	23275	300.11
Re-charging in				-7	Temperat	ure during	charge [C]						energy use	ed during d		[DC Wh]	23405	
	2													rge integra			27336	
61506042	UDDS #1, Ph 1+2		06/19/15	23	47	29	SM	0	Off	Closed	Down	7.46			3.790	393.5	1478.00	198.25
61506042	Hwy, Ph 3		06/19/15	25	39	29	SM	0	Off	Closed	Down	10.24			5.958	386.5	2286.00	223.25
61506042	UDDS #2, Ph 4+5		06/19/15	21	52	29	SM	0	Off	Closed	Down	7.45			3.693	383.3	1401.00	187.99
61506042	US06 #1, Ph 6+7		06/19/15	24	39	29	SM	0	Off Off	Closed	Down	8.01			6.357	375.8	2337.00	291.77
61506043 61506043	SSS 65MPH, Ph 1 US06 #2, Ph 3+4		06/19/15 06/19/15	27 24	37 41	29 29	SM SM	0	Off Off	Closed Closed	Down Down	29.82 8.03			23.091 6.747	355.4 345.7	8230.00 2276.00	275.95 283.51
61506044	UDDS #3, Ph 1+2		06/19/15	21	54	29	SM		Off	Closed	Down	7.48			3.963	343.8	1347.00	180.04
61506044	Hwy #2, Ph 3		06/19/15	26	41	29	SM	0	Off	Closed	Down	10.27			6.587	337.3	2204.00	214.69
61506044	UDDS #4, Ph 4+5		06/19/15	22	55	29	SM	0	Off	Closed	Down	7.46			4.086	333.2	1344.00	180.26
61506045	SSS 65 to deplete		06/19/15	28	38	29	SM	0	Off	Closed	Down	6.96			6.630	270.4	2069.00	297.34
Full charge test summary										Totals	103.17			70.9		24972		
Re-charging information			Temperature during charge [C]							Total energy used during days testing [DC Wh]  Charge integrated power [AC Wh]					24988			
Level: 61506035	2 SSS 0-80-0, 0 % grade	1	06/18/15				SM	0	Off	Closed	Down	6.21	Cha	rge integra	ated powe	r [AC Wh]	29001	
61506036	SSS 0-80-0, 6% grade		06/18/15	24	51	29	SM	0	Off	Closed	Down	6.21						
61506038	WOTsx6		06/18/15	24	50	29	SM	0	Off	Closed	Down	4.80			6.317	351.8	2101.00	438.05
61506039	Passing Manuevers		06/18/15	-39	-78	-46	SM	0	Off	Closed	Down	9.97			15.905	344.1	5252.00	526.55
61506040	25% Grade Speed		06/18/15	22	56	29	SM	0	Off	Closed	Down	1.36			9.394	322.3	2892.00	2132.85
61506052	UDDS #1, Ph 1+2		06/25/15	36	41	29	SM	850	72	Closed	Closed	7.45			4.522	390.2	1748.00	234.53
61506052	Hwy #1, Ph 3		06/25/15	38	32	29	SM	850	72	Closed	Closed	10.23			6.263	383.3	2380.00	232.68
61506052	UDDS #2, Ph 4+5		06/25/15	35	48	29	SM	850	72	Closed	Closed	7.48			4.454	379.6	1675.00	224.03
61506052 61506053	US06 #1, Ph 6+7 SSS 65MPH, Ph 1	1	06/25/15 06/25/15	36 39	32 30	29 29	SM SM	850 850	72 72	Closed Closed	Closed Closed	8.02 23.22			6.663 18.646	371.4 353.3	2420.00 6602.00	301.91 284.29
61506053 61506053	US06 #2, Ph 3+4	1	06/25/15 06/25/15	39 35	37	29	SM	850	72 72	Closed	Closed	8.03			6.881	353.3	2322.00	284.29
61506054	SC03, Ph 1		06/25/15	34	52	29	SM	850	72	Closed	Closed	3.57			2.293	344.3	779.00	218.18
61506054	SC03, Ph 2		06/25/15	35	39	29	SM	850	72	Closed	Closed	3.60			2.428	342.2	820.00	227.96
61506054	Hwy #2, Ph 3		06/25/15	38	32	29	SM	850	72	Closed	Closed	10.26			6.752	336.3	2251.41	219.38
61506054	UDDS #4, Ph 4+5		06/25/15	35	47	29	SM	850	72	Closed	Closed	7.49			4.985	331.0	1634.00	218.07
61506055	SSS 65 to deplete		06/25/15	39	27	29	SM	850	72	Closed	Closed	4.56			4.659	299.7	1428.00	313.42
						Totals	93.91			68.5	TD C VIII	24059 24124						
Re-charging information 35 Temperature during charge [C]								Total energy used during days testing [DC Wh]  Charge integrated power [AC Wh]										
Level: 2											Cha	rge integra	atea powe	r [AC Wh]	29570			

## Summary notes

For the highway and US06, SC03, cycles only the second (hot) test results are presented in this summary.

Electric energy consumption:

HV battery Integrated net current --> Integrated current as reported by power analyzer

HV battery Average Zero crossing Voltage --> Calculated Average Zero crossing Voltage over the phase or cycle

HV Net Energy --> Integrated power as reported by power analyzer

Note that HV Net Energy is not equal to the product of HV battery Integrated net current times Average Zero crossing Voltage.

\* Target Coefficients developed during AVTE coast down testing

## Advanced Powertrain Research Facility Data referencing:

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