

# PRODUCT SPECIFICATION

<b>BATTERY TYPE -</b>	<b>SWL RANGE</b>
-----------------------	------------------

<b>SPECIFICATION -</b>	<b>BATTERY PERFORMANCE @ 20°C</b>
------------------------	-----------------------------------

<b>Specification Number</b>	<b>KH11-05-02</b>
-----------------------------	-------------------

<b>Issue Level</b>	<b>9</b>
--------------------	----------

<b>Issue Date</b>	<b>14/02/2013</b>
-------------------	-------------------

<b>Approved By</b>	
<b>Signature</b>	<b>Date</b>

## Typical Constant Power Discharge Table for SWL750

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	287	250	223	202	183	166	152	139	129	105	88	67	52	43	38
1.6	269	239	216	196	179	163	149	138	128	105	88	66	52	42	38
1.65	254	229	209	191	176	160	147	136	127	105	87	66	51	42	38
1.7	239	217	200	183	168	155	143	132	124	103	87	66	51	42	38
1.75	221	203	188	173	159	146	136	127	120	100	85	65	50	42	37
1.8	203	190	176	162	148	135	127	120	114	97	82	63	48	41	37
1.85	168	154	144	136	130	124	118	112	106	90	77	59	45	39	36
1.9	138	133	129	124	118	112	105	97	92	81	70	53	40	36	33

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	29.2	23.2	19.0	16.3	13.5	12.0	9.9	8.3	7.5	6.0	4.1	3.2
1.6	28.3	23.1	18.6	15.7	13.4	11.8	9.7	8.1	7.5	5.8	4.0	3.1
1.65	28.2	23.0	18.5	15.6	13.3	11.7	9.5	7.9	7.3	5.7	3.9	3.0
1.7	28.0	22.9	18.4	15.5	13.3	11.5	9.4	7.8	7.2	5.6	3.8	2.9
1.75	27.7	22.8	18.3	15.2	13.1	11.3	9.4	7.8	7.0	5.5	3.8	2.9
1.8	27.0	22.4	17.9	14.9	12.9	11.3	9.3	7.8	6.9	5.4	3.7	2.8
1.85	26.2	21.8	17.1	14.6	12.8	11.0	9.2	7.6	6.8	5.3	3.7	2.8
1.9	24.5	19.2	15.4	12.9	11.3	9.82	9.1	7.6	6.8	5.3	3.6	2.8

# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20°C
-----------------	----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Table For The SWL780V

CPD (W/Cell)

VPC	Time (Minutes)															
	1	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	301.3	300.3	270.4	240.2	212.8	194.1	177.3	161.0	148.5	138.3	106.7	89.0	63.4	53.0	45.0	39.3
1.6	277.4	276.4	250.4	225.1	204.5	187.2	172.3	157.0	145.3	135.9	105.6	88.6	63.1	52.8	44.8	39.1
1.65	260.0	259.0	238.4	216.0	198.9	181.3	167.0	152.9	142.1	133.3	104.4	88.2	62.9	52.7	44.6	39.0
1.7	245.9	244.9	224.7	204.2	187.2	172.2	158.9	146.7	137.0	129.4	102.4	87.3	62.5	52.4	44.3	38.8
1.75	231.3	230.3	209.6	193.9	175.6	160.2	148.3	138.3	130.2	124.0	99.0	85.8	61.6	51.7	43.7	38.4
1.8	215.8	214.8	192.7	174.8	157.7	144.4	136.0	128.6	122.5	115.4	94.5	82.4	60.0	50.3	42.6	37.6
1.85	183.4	182.4	166.4	151.6	141.4	132.4	124.1	116.7	109.9	105.5	89.1	75.8	57.1	47.6	40.6	35.8
1.9	128.8	127.8	125.3	122.0	115.1	109.9	104.2	99.3	95.5	92.5	80.1	67.4	52.9	43.5	37.5	32.7

VPC	Time (Hours)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	28.3	22.1	18.4	15.7	13.7	12.2	10.1	8.6	7.5	5.5	3.8	2.9
1.6	28.2	22.1	18.4	15.6	13.6	12.2	10.0	8.6	7.5	5.5	3.8	2.9
1.65	28.1	22.0	18.3	15.6	13.6	12.1	10.0	8.5	7.5	5.5	3.8	2.9
1.7	28.0	21.9	18.2	15.5	13.5	12.0	9.9	8.5	7.4	5.4	3.7	2.9
1.75	27.7	21.7	18.1	15.4	13.5	12.0	9.9	8.4	7.4	5.4	3.7	2.9
1.8	27.1	21.3	17.8	15.2	13.2	11.8	9.7	8.3	7.2	5.3	3.7	2.8
1.85	25.9	20.4	17.1	14.7	12.8	11.4	9.4	8.0	7.0	5.1	3.5	2.7
1.9	23.7	18.8	15.9	13.7	12.0	10.7	8.8	7.5	6.6	4.8	3.3	2.5

  ISY Use Only

# PRODUCT SPECIFICATION

<b>BATTERY TYPE -</b>	<b>SWL RANGE</b>
-----------------------	------------------

<b>SPECIFICATION -</b>	<b>BATTERY PERFORMANCE @ 20°C</b>
------------------------	-----------------------------------

<b>Specification Number</b>	<b>KH11-05-02</b>
-----------------------------	-------------------

<b>Issue Level</b>	<b>9</b>
--------------------	----------

<b>Issue Date</b>	<b>14/02/2013</b>
-------------------	-------------------

## Typical Constant Power Discharge Table for SWL1100

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	428	367	326	295	270	250	233	218	205	162	129	95	78	67	59
1.6	394	346	311	285	263	244	227	213	200	160	129	94	78	67	59
1.65	373	331	301	276	256	238	222	209	196	158	128	94	77	67	58
1.7	350	314	287	264	245	228	214	201	190	154	127	93	77	66	58
1.75	322	294	270	249	232	217	204	192	181	148	124	92	76	65	57
1.8	297	276	257	240	224	209	196	183	172	141	119	88	74	64	56
1.85	252	228	211	196	185	174	166	158	151	132	110	84	71	61	52
1.9	176	167	161	155	151	148	144	141	138	120	98	77	65	56	50

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	43.2	34.2	28.3	24.5	21.5	19.2	16.2	14.0	12.5	10.0	6.9	5.3
1.6	42.7	33.7	28.0	24.2	21.2	18.8	15.8	13.7	12.2	9.7	6.6	5.1
1.65	42.2	33.3	27.7	24.0	20.8	18.5	15.5	13.5	12.2	9.3	6.4	4.9
1.7	41.8	32.8	27.3	23.8	20.7	18.3	15.3	13.3	11.8	9.0	6.2	4.7
1.75	41.5	32.5	27.2	23.7	20.5	18.2	15.2	13.2	11.7	8.8	6.1	4.6
1.8	40.5	31.7	26.5	23.2	20.3	18.0	15.0	13.0	11.5	8.7	6.0	4.6
1.85	38.2	30.2	25.5	22.3	19.7	17.8	14.8	12.8	11.3	8.5	5.8	4.5
1.9	34.7	28.0	23.8	21.0	18.5	16.7	14.2	12.0	10.6	8.3	5.7	4.4

# PRODUCT SPECIFICATION

<b>BATTERY TYPE -</b>	<b>SWL RANGE</b>
-----------------------	------------------

<b>SPECIFICATION -</b>	<b>BATTERY PERFORMANCE @ 20°C</b>
------------------------	-----------------------------------

<b>Specification Number</b>	<b>KH11-05-02</b>
-----------------------------	-------------------

<b>Issue Level</b>	<b>9</b>
--------------------	----------

<b>Issue Date</b>	<b>14/02/2013</b>
-------------------	-------------------

## Typical Constant Power Discharge Table for SWL1800

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	657	589	538	496	455	417	384	356	331	259	215	161	129	108	93
1.6	604	553	513	476	440	406	377	351	329	257	213	160	128	108	93
1.65	574	530	493	458	424	394	367	343	322	256	211	158	127	107	92
1.7	547	504	465	431	401	374	351	330	312	253	210	157	126	106	92
1.75	507	453	417	389	365	345	328	312	298	245	205	155	125	106	91
1.8	446	406	376	354	335	319	305	292	280	232	196	150	122	102	88
1.85	340	327	317	309	301	294	287	279	271	231	191	141	116	98	85
1.9	315	299	287	276	264	253	244	234	225	187	160	129	107	90	78

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	65.8	52.2	44.3	38.8	34.2	31.6	25.7	21.5	18.5	13.2	9.2	7.1
1.6	65.3	51.8	44.0	38.5	33.8	30.9	25.3	21.3	18.3	13.1	9.1	7.1
1.65	64.8	51.5	43.8	38.3	33.5	30.7	25.2	21.2	18.2	13.0	9.1	7.0
1.7	64.5	51.3	43.7	38.2	33.3	30.6	25.0	21.0	18.0	12.9	9.0	6.9
1.75	63.5	50.8	43.3	38.0	33.2	30.4	24.8	20.8	17.8	12.9	9.0	6.9
1.8	61.7	49.7	42.5	37.3	32.3	30.0	24.5	20.5	17.7	12.8	8.9	6.8
1.85	60.3	48.5	41.3	36.0	31.0	29.0	23.7	20.0	17.2	12.4	8.7	6.7
1.9	55.7	45.2	38.5	33.2	29.0	26.8	21.8	18.7	16.1	11.8	8.2	6.2

# PRODUCT SPECIFICATION

<b>BATTERY TYPE -</b>	<b>SWL RANGE</b>
-----------------------	------------------

<b>SPECIFICATION -</b>	<b>BATTERY PERFORMANCE @ 20°C</b>
------------------------	-----------------------------------

<b>Specification Number</b>	<b>KH11-05-02</b>
-----------------------------	-------------------

<b>Issue Level</b>	<b>9</b>
--------------------	----------

<b>Issue Date</b>	<b>14/02/2013</b>
-------------------	-------------------

## Typical Constant Power Discharge Table for SWL1850

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	642	569	515	471	433	401	373	348	326	255	210	154	126	110	97
1.6	592	536	491	453	420	390	364	341	319	254	210	153	125	109	96
1.65	559	511	472	437	411	386	362	340	318	252	209	153	125	109	96
1.7	515	489	462	437	405	378	354	332	313	247	209	153	124	108	95
1.75	485	450	420	392	367	344	323	304	287	240	205	150	124	108	94
1.8	372	342	321	305	291	279	270	261	252	232	196	149	122	106	93
1.85	293	279	270	262	256	250	245	241	236	218	180	141	117	102	90
1.9	286	271	260	252	245	239	233	227	220	194	158	129	108	94	83

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	70.3	54.7	45.7	40.0	35.7	32.0	27.3	23.7	20.7	16.7	11.5	8.8
1.6	70.0	54.2	45.2	39.7	35.3	31.7	27.0	23.3	20.3	16.3	11.2	8.6
1.65	69.7	53.7	44.7	39.3	35.0	31.3	26.7	23.0	20.0	16.0	11.0	8.4
1.7	69.3	53.3	44.3	39.0	34.7	31.0	26.3	22.7	19.7	15.7	10.8	8.2
1.75	69.0	53.0	44.0	38.7	34.3	30.7	26.0	22.3	19.3	15.3	10.5	8.0
1.8	67.7	52.7	43.7	38.3	34.0	30.5	25.8	22.2	19.5	15.2	10.4	8.0
1.85	65.7	51.7	43.3	37.7	33.7	30.3	25.7	22.0	18.7	15.0	10.3	7.9
1.9	61.3	48.7	41.0	35.7	32.0	28.7	24.7	21.0	18.3	14.8	10.2	7.8

# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20°C
-----------------	----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Discharge Table for SWL1850-6

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5											385	274	230	201	178
1.6											384	273	229	201	177
1.65											384	272	228	200	175
1.7											383	272	227	199	174
1.75											375	266	226	198	172
1.8											359	265	223	195	171
1.85											329	252	214	186	164
1.9											289	230	197	172	152

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	135.1	108.3	90.5	79.2	70.7	63.4	54.1	46.9	42.2	33.1	22.7	17.3
1.6	134.6	107.3	89.5	78.6	69.9	62.8	53.5	46.1	41.4	32.3	22.2	17.0
1.65	134.0	106.3	88.5	77.8	69.3	62.0	52.9	45.5	40.8	31.7	21.8	16.6
1.7	133.2	105.5	87.7	77.2	68.7	61.4	52.1	44.9	40.2	31.1	21.3	16.3
1.75	132.6	104.9	87.1	76.6	67.9	60.8	51.5	44.2	39.4	30.3	20.8	15.9
1.8	130.1	104.3	86.5	75.8	67.3	60.4	51.1	44.0	38.7	30.1	20.6	15.8
1.85	126.3	102.4	85.7	74.6	66.7	60.0	50.9	43.6	38.1	29.7	20.4	15.6
1.9	117.8	96.4	81.2	70.7	63.4	56.8	48.9	41.6	37.3	29.3	20.2	15.4

# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20 °C
-----------------	-----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Discharge Table for SWL2250 FR

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	678	613	578	548	516	481	448	418	379	308	253	184	150	129	112
1.6	631	582	552	524	492	460	428	400	375	307	251	182	149	128	112
1.65	620	578	547	517	483	451	420	393	370	305	249	180	148	127	111
1.7	606	565	532	497	463	432	404	380	359	300	248	177	146	126	110
1.75	585	541	502	464	433	405	380	359	341	289	242	176	145	125	109
1.8	526	506	475	440	404	372	350	333	318	272	230	174	144	124	108
1.85	497	453	400	372	350	333	318	306	293	253	213	165	137	117	104
1.9	368	352	336	321	306	294	282	271	260	224	190	151	125	111	96

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	83.0	66.4	55.6	48.6	43.4	38.9	33.3	28.8	26.0	20.3	13.9	10.7
1.6	82.7	65.9	54.9	48.2	43.0	38.5	32.8	28.4	25.5	19.9	13.6	10.4
1.65	82.3	65.3	54.3	47.8	42.6	38.1	32.4	28.0	25.1	19.5	13.4	10.2
1.7	81.9	64.9	53.9	47.4	42.2	37.7	32.0	27.6	24.6	19.1	13.1	10.0
1.75	81.5	64.5	53.5	47.0	41.8	37.3	31.6	27.2	24.2	18.6	12.8	9.8
1.8	79.9	64.1	53.1	46.6	41.4	37.1	31.4	27.0	23.8	18.4	12.7	9.7
1.85	77.5	62.8	52.7	45.8	40.9	36.9	31.2	26.8	23.4	18.2	12.5	9.6
1.9	72.4	59.2	49.9	43.4	38.9	34.9	30.0	25.5	23.0	18.0	12.4	9.5

# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20°C
-----------------	----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Discharge Table for SWL2300

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	675	667	659	619	550	499	478	436	420	317	255	195	159	134	118
1.6	672	661	631	571	513	487	468	430	411	313	253	194	158	133	117
1.65	666	645	588	532	494	477	459	423	400	309	250	192	157	133	117
1.7	648	598	540	500	480	463	447	409	380	302	246	190	155	132	116
1.75	593	532	497	477	459	443	425	379	360	288	238	187	152	129	114
1.8	481	466	455	446	436	408	383	349	335	269	225	178	146	126	111
1.85	453	441	430	397	380	362	349	320	309	245	208	167	137	120	104
1.9	343	336	331	327	323	320	317	296	285	217	189	149	125	108	95

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	85.7	65.7	54.6	46.6	41.2	36.6	30.6	26.3	22.7	16.9	11.8	9.2
1.6	83.9	65.3	54.3	46.2	40.9	36.4	30.4	26.1	22.4	16.2	11.1	8.6
1.65	81.7	64.6	54.1	45.9	40.6	36.3	30.3	26.0	22.3	16.2	11.1	8.6
1.7	81.5	64.5	53.9	45.8	40.4	36.3	30.1	26.0	22.3	16.2	11.1	8.6
1.75	81.0	63.8	53.7	45.5	40.2	35.9	29.9	25.8	22.1	16.1	10.9	8.5
1.8	80.4	63.1	53.2	45.3	39.8	35.5	29.7	25.6	22.0	16.0	10.8	8.3
1.85	76.8	60.1	50.1	40.9	37.4	33.7	28.6	24.8	21.3	15.5	10.5	8.1
1.9	70.5	56.5	48.0	41.2	36.3	32.4	27.3	23.4	20.3	14.5	9.8	7.5



# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20 °C
-----------------	-----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Discharge Table for SWL2500

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	768	758	748	703	625	568	543	520	502	378	305	237	191	160	136
1.6	763	751	717	649	583	553	532	513	490	373	303	236	188	158	135
1.65	757	733	668	605	562	542	522	505	477	370	302	233	186	155	132
1.7	737	680	613	568	545	526	508	488	453	363	299	223	180	150	131
1.75	673	605	565	542	522	503	483	452	430	347	294	221	179	148	131
1.8	547	530	517	507	495	463	435	417	400	320	285	216	175	146	125
1.85	515	502	488	452	432	412	397	382	368	290	276	205	164	138	120
1.9	390	382	377	372	367	363	360	353	340	268	251	187	152	127	109

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	97.3	74.7	62.1	54.2	47.9	42.5	35.6	30.6	27.0	20.1	14.0	10.7
1.6	95.3	74.2	61.7	53.7	47.5	42.3	35.3	30.3	26.7	19.3	13.2	10.0
1.65	92.9	73.4	61.5	53.4	47.2	42.2	35.2	30.2	26.5	19.3	13.2	10.0
1.7	92.7	73.3	61.3	53.2	47.0	42.2	35.0	30.2	26.5	19.3	13.2	10.0
1.75	92.0	72.5	61.0	52.9	46.7	41.7	34.8	30.0	26.3	19.2	13.0	9.9
1.8	91.3	71.7	60.5	52.6	46.3	41.3	34.5	29.8	26.2	19.0	12.8	9.7
1.85	87.3	68.3	56.9	47.6	43.5	39.2	33.2	28.8	25.3	18.5	12.5	9.5
1.9	80.2	64.2	54.6	46.5	42.2	37.7	31.7	27.2	23.7	17.3	11.7	9.0

# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20 °C
-----------------	-----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Discharge Table For The SWL2500E

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	768	758	748	703	625	568	543	520	502	378	305	237	191	160	136
1.6	763	751	717	649	583	553	532	513	490	373	303	236	188	158	135
1.65	757	733	668	605	562	542	522	505	477	370	302	233	186	155	132
1.7	737	680	613	568	545	526	508	488	453	363	299	223	180	150	131
1.75	673	605	565	542	522	503	483	452	430	347	294	221	179	148	131
1.8	547	530	517	507	495	463	435	417	400	320	285	216	175	146	125
1.85	515	502	488	452	432	412	397	382	368	290	276	205	164	138	120
1.9	390	382	377	372	367	363	360	353	340	268	251	187	152	127	109

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	97.3	74.7	62.1	54.2	47.9	42.5	35.6	30.6	27.0	20.1	14.0	10.7
1.6	95.3	74.2	61.7	53.7	47.5	42.3	35.3	30.3	26.7	19.3	13.2	10.0
1.65	92.9	73.4	61.5	53.4	47.2	42.2	35.2	30.2	26.5	19.3	13.2	10.0
1.7	92.7	73.3	61.3	53.2	47.0	42.2	35.0	30.2	26.5	19.3	13.2	10.0
1.75	92.0	72.5	61.0	52.9	46.7	41.7	34.8	30.0	26.3	19.2	13.0	9.9
1.8	91.3	71.7	60.5	52.6	46.3	41.3	34.5	29.8	26.2	19.0	12.8	9.7
1.85	87.3	68.3	56.9	47.6	43.5	39.2	33.2	28.8	25.3	18.5	12.5	9.5
1.9	80.2	64.2	54.6	46.5	42.2	37.7	31.7	27.2	23.7	17.3	11.7	9.0

# PRODUCT SPECIFICATION

<b>BATTERY TYPE -</b>	<b>SWL RANGE</b>
-----------------------	------------------

<b>SPECIFICATION -</b>	<b>BATTERY PERFORMANCE @ 20°C</b>
------------------------	-----------------------------------

<b>Specification Number</b>	<b>KH11-05-02</b>
-----------------------------	-------------------

<b>Issue Level</b>	<b>9</b>
--------------------	----------

<b>Issue Date</b>	<b>14/02/2013</b>
-------------------	-------------------

## Typical Constant Power Table For The SWL2500-6

CPD (W/Cell)

VPC	Time (Minutes)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	1247.3	1246.3	1245.3	1244	1152	1087	1043	1001	939	735	606	465	377	315	274
1.6	1155.5	1154.5	1153.5	1153	1089	1044	1011	954	900	726	602	462	375	313	272
1.65	1099.7	1098.7	1097.7	1097	1052	1018	973	916	870	708	596	458	372	312	271
1.7	1043.9	1042.9	1041.9	1041	1016	972	913	867	830	687	584	450	368	308	269
1.75	1004.0	1003.0	1002.0	1001	942	887	848	813	787	659	564	436	358	302	264
1.8	884.3	883.3	882.3	881	836	809	785	768	747	628	529	415	342	291	254
1.85	760.0	759.0	758.0	757	756	755	732	699	675	572	462	388	317	273	239
1.9	683.0	682.0	681.0	680	674	649	635	622	602	492	429	347	285	245	216

VPC	Time (Hours)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5	199.1	155.6	128.7	110.6	97.3	87.1	72.9	62.1	53.9	39.2	26.4	19.9
1.6	198.0	154.6	127.8	110.0	96.8	86.7	72.6	61.8	53.6	39.0	26.2	19.9
1.65	197.1	153.9	127.4	109.7	96.5	86.4	72.3	61.4	53.4	38.8	26.1	19.9
1.7	195.8	153.0	126.7	109.2	95.9	85.9	71.8	60.9	53.0	38.6	26.0	19.8
1.75	193.4	151.0	125.4	108.2	94.9	84.9	70.8	60.1	52.3	38.1	25.8	19.7
1.8	188.1	147.3	122.6	106.2	93.0	83.1	69.1	58.6	51.2	37.5	25.4	19.5
1.85	177.6	139.9	117.2	101.4	88.9	79.5	66.0	56.2	49.1	35.9	24.4	19.0
1.9	160.4	127.8	107.7	93.4	81.8	73.5	60.7	51.8	45.4	32.9	22.5	18.0

	ISY Use Only
--	--------------

# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20°C
-----------------	----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Discharge Table For The SWL3300

CPD (W/Cell)

VPC	Discharge Time (min)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5															
1.6				767.0	696.7	646.5	608.0	578.0	550.0	433.2	359.1	273.3	220.3	185.2	161.1
1.65				713.7	657.1	620.8	590.2	558.9	532.5	422.7	353.1	270.7	218.8	184.1	160.2
1.7				665.9	621.6	590.9	560.5	535.5	509.2	411.8	346.0	266.8	216.1	182.4	158.4
1.75				607.0	578.7	550.6	520.1	497.1	477.2	394.9	333.3	262.0	212.7	179.4	156.6
1.8				553.9	522.3	494.6	471.4	455.5	443.1	368.3	313.9	250.3	205.9	174.8	152.2
1.85				469.9	445.7	434.4	423.9	416.0	400.4	335.3	290.5	234.1	194.0	165.4	144.4
1.9				402.8	400.8	394.8	376.4	365.9	349.8	298.0	265.7	212.6	175.0	150.2	130.6
1.95				303.0	293.7	287.6	279.1	277.3	275.0	259.4	229.9	180.5	151.6	128.1	111.4

VPC	Discharge Time (Hrs)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.5												
1.6	114.63	89.61	74.54	64.56	57.22							
1.65	113.98	89.21	74.28	64.34	56.99	50.83	42.16	35.82	30.86	21.97	15.17	11.77
1.7	113.11	88.64	73.82	64.07	56.71	50.54	41.97	35.63	30.70	21.83	15.08	11.73
1.75	111.60	87.58	73.11	63.47	56.20	50.17	41.67	35.33	30.44	21.69	15.00	11.66
1.8	108.77	85.62	71.67	62.38	55.21	49.31	41.02	34.70	29.93	21.32	14.78	11.51
1.85	103.13	81.70	68.79	60.25	53.11	47.51	39.34	33.47	28.99	20.90	14.44	11.20
1.9	94.07	75.17	63.76	55.62	49.13	44.15	36.66	31.01	26.95	19.58	13.52	10.49
1.95												

# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20 °C
-----------------	-----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Table For The SWL3800

CPD (W/Cell)

VPC	Time (Minutes)														
	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.5	909.3	908.3	907.3	906.3	856.3	811.6	756.8	713.9	672.4	515.4	416.8	310.1	247.9	206.2	178.2
1.6	863.7	862.7	861.7	860.7	816.5	776.1	723.3	683.5	650.0	507.7	413.8	307.8	245.8	203.6	175.5
1.65	821.9	820.9	819.9	818.9	770.4	730.8	693.1	659.7	631.7	498.6	408.6	305.9	243.3	201.9	174.1
1.7	770.6	769.6	768.6	767.6	727.1	685.4	658.5	633.8	606.8	482.9	400.6	302.0	241.0	199.8	172.5
1.75	713.6	712.6	711.6	710.6	674.4	644.6	623.8	603.5	578.1	459.0	386.5	292.6	235.5	196.5	170.5
1.8	652.8	651.8	650.8	649.8	622.3	602.2	576.6	555.7	530.6	426.9	364.3	281.3	226.6	190.4	166.5
1.85	602.8	601.8	600.8	599.8	574.1	541.0	517.7	498.4	473.4	392.2	337.2	260.0	210.6	180.0	158.5
1.9	484.3	483.3	482.3	481.3	453.6	437.3	423.1	414.2	403.9	342.4	296.8	227.6	188.5	163.3	145.0

VPC	Time (Hours)											
	1.5	2	2.5	3	3.5	4	5	6	7	10	15	20
1.5	131.2	103.7	85.5	73.4	64.4	57.5	47.5	40.2	34.9	25.3	17.6	13.6
1.6	130.1	103.1	85.0	73.0	64.0	57.2	47.1	39.8	34.5	24.9	17.4	13.4
1.65	129.3	102.7	84.8	72.8	63.8	57.0	46.7	39.5	34.3	24.6	17.2	13.4
1.7	128.2	102.1	84.4	72.5	63.5	56.7	46.5	39.3	34.1	24.5	17.1	13.3
1.75	127.0	101.2	83.7	72.0	63.0	56.1	46.1	38.9	33.7	24.2	16.9	13.2
1.8	124.2	99.2	82.1	70.8	61.8	55.1	45.2	38.1	32.9	23.8	16.6	13.0
1.85	119.0	94.5	78.6	67.7	59.2	52.9	43.3	36.5	31.5	22.7	16.0	12.6
1.9	108.0	85.7	71.7	61.6	54.3	48.5	39.9	33.9	29.4	21.3	14.9	11.5

  ISY Use Only

# PRODUCT SPECIFICATION

BATTERY TYPE -	SWL RANGE
----------------	-----------

SPECIFICATION -	BATTERY PERFORMANCE @ 20°C
-----------------	----------------------------

Specification Number	KH11-05-02
----------------------	------------

Issue Level	9
-------------	---

Issue Date	14/02/2013
------------	------------

## Typical Constant Power Table For The SWL4250

CPD (W/Cell)

VPC	Time (Minutes)															
	1	2	3	4	5	6	7	8	9	10	15	20	30	40	50	60
1.50	1056	1055	1054	1053	1052	965	896	838	789	743	596	491	367	294	247	214
1.60	963	962	961	960	959	899	842	793	749	711	585	484	366	293	246	212
1.65	920	919	918	917	916	859	806	761	720	690	572	479	364	291	245	212
1.70	874	873	872	871	870	811	760	715	686	662	551	467	359	288	243	210
1.75	818	817	816	815	814	744	696	673	651	625	524	448	348	282	239	208
1.80	704	703	702	701	700	682	659	631	606	580	487	422	332	272	232	202
1.85	685	684	683	682	681	635	595	566	544	523	442	389	307	253	217	189
1.90	570	569	568	567	566	543	517	493	470	455	394	343	271	226	194	170

VPC	Time (Hours)											
	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	10.0	15.0	20.0
1.50	150.1	119.3	99.8	86.3	76.0	68.2	56.7	48.2	41.7	30.0	20.7	15.9
1.60	149.2	118.9	99.5	86.0	75.8	67.9	56.5	47.9	41.5	29.9	20.6	15.8
1.65	148.7	118.6	99.4	85.9	75.7	67.8	56.3	47.7	41.3	29.7	20.5	15.8
1.70	148.2	118.2	99.1	85.6	75.4	67.5	56.0	47.4	41.0	29.5	20.4	15.7
1.75	147.5	117.6	98.5	85.1	74.8	67.0	55.5	46.9	40.6	29.2	20.3	15.6
1.80	145.2	115.8	97.1	83.9	73.6	65.8	54.4	46.1	40.0	28.9	20.1	15.5
1.85	139.0	111.0	93.4	80.7	70.9	63.4	52.4	44.6	38.8	28.2	19.6	15.1
1.90	127.1	102.2	86.2	74.4	65.6	58.8	48.6	41.6	36.4	26.6	18.4	14.2

	ISY Use Only
--	--------------