

LSe

Lead Selenium Flat Plate Battery



Lead Selenium Flat Plate Battery

The Mesa LSe is a range of lead selenium flat plate vented lead-acid batteries featuring 20-year design life plates made of .25" thick, lead selenium alloy. It is ideal for use in switchgear applications characterized by switching DC loads and high rate demands. Low maintenance, reduced footprint, and safety by design are essential features of the LSe. No other flat plate, lead selenium battery has thicker plates or longer lasting cells. The LSe lead selenium is a deep cycle battery and is available in cell options (LSe) ranging from 100 amp hours to 1800 amp hours and multi-cell blocks (B-LSe) available in 6-100, 6-150, 6-200, 6-250, and 6-300 amp hour configurations.

Applications

- » Utility switchgear
- » Telecommunications
- » UPS units
- » Power plants & substations

Specifications

- » Float Voltage: 2.23 to 2.25 VPC
- » Equalize Voltage: 2.35 to 2.40 VPC
- » Specific Gravity: 1.240 kg/L @ 77°F
- » Styrene Acrylonitrile jar & cover
- » Flame Retardant UL V0 94 available



LSe | Lead Selenium Flat Plate Battery



Standard Accessories for LSe & B-LSe Batteries

- » Battery inter-cell and inter-row connections
- » Terminal hardware
- » Hydrometer with holder and drip cup
- » Vent mounted thermometer
- » Cell numbers
- » Lifting strap

- » Flame arresting vent caps No-ox or similar
- » grease Installation and operating instructions & drawings
- » Connectors: lead-coated copper bar
- » Connection hardware: stainless steel LSe square post with dual connectors
- » Optional terminal post: M10 threaded copper insert

Flat, Pasted Plate Design

- » Excellent high rate performance
- » Long life with maximum reliability
- » Deep discharge capability (>1,000 cycles)
- » Stable float charge characteristics
- » Space saving footprint
- » Ideal for substation loads

Robust & Compact

- »Lead selenium alloy is corrosion resistant and reduces plate growth
- »Leak proof, tongue-in-groove jar-cover seals
- »Minimizes seal failures and container & cover cracks
- »O-ring compression seals reduce leaks, connection corrosion, and mechanical failures
- »Reduced maintenance & reduced footprint

Clear Jars

- »Impact-resistant, clear Styrene Acrylonitrile (SAN) jars
- »Provides crystal clear viewing of the cell plates, bridges and electrolyte
- »Easy inspection of cell condition and electrolyte level

Optimized Connector System - B-LSe Blocks

- »Fully insulated connector with test points for ohmic and voltage measurements
- »Reduces terminal connection maintenance
- »External welded connections between individual cells allow for testing individual cell voltages, internal resistance or conductance, and monitoring individual cells during load testing



LSe – Lead Selenium Flat Pasted Plate Cells



B-LSe – Lead Selenium Flat Pasted Plate Battery Multi-Cell Blocks



Type	SPECIFICATIONS											
Type	Nominal Voltage	Capacity*	ri mOhm	Isc kA	Dimensions (in.)			Weight (lbs.)		Electrolyte		No. of Terminals
					Length	Width	Height	Filled	Dry	Weight	Volume	
BLS _e 12-50	12	51	14.75	0.83	10.7	8.1	15.4	91.1	70.1	19.8	2.0	2
BLS _e 12-100	12	102	11.56	1.05	15.0	8.1	15.4	135.8	100.8	35.3	3.4	2
BLS _e 6-100	6	102	5.78	1.05	10.7	8.1	15.1	85.8	57.1	28.7	2.8	2
BLS _e 6-150	6	152	3.16	1.92	10.7	8.1	15.1	95.5	69.2	26.5	2.6	2
BLS _e 6-200	6	203	2.37	2.56	15.0	8.1	15.1	127.6	89.3	39.7	3.9	2
BLS _e 6-250	6	249	1.90	3.2	15.0	8.1	15.1	137.5	103.0	35.3	3.4	2
BLS _e 6-300	6	293	1.59	3.84	15.0	8.1	15.1	150.7	118.0	33.1	3.2	2
LSe 100	2	104	1.26	1.60	4.1	8.1	16.5	32.2	21.4	11.0	1.1	2
LSe 150	2	154	0.86	2.30	4.1	8.1	16.5	36.6	26.2	11.0	1.0	2
LSe 200	2	203	0.66	3.00	4.9	8.1	16.5	45.0	31.9	13.2	1.2	2
LSe 250	2	254	0.54	3.70	4.9	8.1	16.5	48.7	36.8	11.0	1.1	2
LSe 300	2	305	0.46	4.40	5.7	8.1	16.5	57.3	42.7	15.4	1.4	2
LSe 350	2	356	0.4	5.10	7.4	8.1	16.5	70.0	49.2	19.8	2.0	2
LSe 400	2	406	0.35	5.80	7.4	8.1	16.5	73.8	54.0	19.8	1.9	2
LSe 450	2	457	0.32	6.50	7.4	8.1	16.5	77.2	59.1	17.6	1.7	2
LSe 500	2	503	0.53	3.80	5.7	8.1	28.6	100.3	70.5	28.6	2.9	2
LSe 600	2	603	0.43	4.75	5.7	8.1	28.6	108.9	80.0	28.6	2.9	2
LSe 700	2	704	0.36	5.69	8.3	7.5	28.6	137.3	105.2	37.5	3.5	4
LSe 800	2	804	0.31	6.62	8.3	7.5	28.6	145.7	110.2	35.3	3.4	4
LSe 900	2	905	0.27	7.56	8.3	9.2	28.6	169.1	123.2	46.2	4.4	4
LSe 1000	2	1006	0.24	8.50	8.3	9.2	28.6	178.1	132.7	46.2	4.4	4
LSe 1100	2	1106	0.21	9.43	8.3	10.8	28.6	201.7	145.7	55.1	5.3	4
LSe 1200	2	1207	0.19	10.37	8.3	10.8	28.6	210.3	155.2	55.1	5.3	4
LSe 1300	2	1281	0.18	11.30	8.3	10.8	28.6	218.7	164.7	55.1	5.2	4
LSe 1400	2	1366	0.16	12.24	8.3	10.8	28.6	227.5	174.2	52.9	5.2	4
LSe 1500	2	1508	0.15	13.18	8.6	14.5	27.6	264.5	194.0	70.5	6.8	6
LSe 1600	2	1609	0.14	14.11	8.6	14.5	27.6	273.2	203.5	70.5	6.7	6
LSe 1700	2	1692	0.13	15.05	8.6	14.5	27.6	281.8	213.0	68.3	6.7	6
LSe 1800	2	1810	0.12	15.98	8.6	15.1	27.6	319.5	229.1	90.4	8.8	6
LSe 1900	2	1911	0.11	16.92	17.7	8.6	27.6	327.6	238.6	89.0	8.6	6
LSe 2000	2	2001	0.11	17.86	17.7	8.6	27.6	336.2	248.0	88.2	8.5	6
*Nominal 8-hr Ah Capacity at 77°F to 1.75 VPC												

LSe

Lead Selenium
Flat Plate Battery

DISCHARGE DATA (A) to 1.75 VPC at 25°C

Type	DISCHARGE TIME (Minutes)								DISCHARGE TIME (Hours)															
	1	5	7	10	12	15	20	30	1	2	3	4	5	6	7	8	10	12	14	16	18	20	24	
BLSe 12-50	91	73.7	68.1	61.7	58.4	54.2	48.7	40.8	28.3	18	13.4	10.8	9.1	7.9	7	6.4	5.3	2.8						
BLSe 12-100	182	147.4	136.2	123.4	116.8	108.4	97.4	81.6	56.6	36	26.7	21.5	18.1	15.7	14	12.7	10.7	5.5						
BLSe 6-150	273	221.1	204.3	185.1	175.2	162.6	146.1	122.4	84.9	54	40.1	32.3	27.2	23.6	21	19.1	16	8.3						
BLSe 6-200	364	294.8	272.4	246.8	233.6	216.8	194.8	163.2	113.2	72	53.4	43	36.2	31.5	28	25.4	21.4	11						
BLSe 6-250	445.9	361.1	333.7	302.3	286.2	265.6	238.6	199.9	138.7	88.2	65.4	52.7	44.3	38.6	34.3	31.1	26.2	13.5						
BLSe 6-300	524.2	424.5	392.3	355.4	336.4	312.2	280.5	235	163	103.7	76.9	61.9	52.1	45.3	40.3	36.6	30.8	15.8						
LSe 100	185.6	150.3	138.9	125.9	119.1	110.6	99.3	83.2	57.7	36.7	27.2	21.9	18.5	16.1	14.3	13	10.9	5.6						
LSe 150	275.7	223.3	206.3	187	177	164.2	147.6	123.6	85.7	54.5	40.5	32.6	27.4	23.8	21.2	19.2	16.2	8.3						
LSe 200	364	294.8	272.4	246.8	233.6	216.8	194.8	163.2	113.2	72	53.4	43	36.2	31.5	28	25.4	21.4	11						
LSe 250	455	368.5	340.5	308.5	292	271	243.5	204	141.5	90	66.8	53.8	45.3	39.4	35	31.8	26.7	13.8						
LSe 300	546	442.2	408.6	370.2	350.4	325.2	292.2	244.8	169.8	108	80.1	64.5	54.3	47.2	42	38.1	32	16.5						
LSe 350	637	515.9	476.7	431.9	408.8	379.4	340.9	285.6	198.1	126	93.5	75.3	63.4	55.1	49	44.5	37.4	19.3						
LSe 400	728	589.6	544.8	493.6	467.2	433.6	389.6	326.4	226.4	144	106.8	86	72.4	63	56	50.8	42.7	22						
LSe 450	819	663.3	612.9	555.3	525.6	487.8	438.3	367.2	254.7	162	120.2	96.8	81.5	70.8	63	57.2	48.1	24.8						
LSe 500	909	735.9	679.5	618.9	584.8	540.6	485.1	408.6	285.1	177	134.7	107.8	90.4	78.5	69.8	62.9	53	26.3						
LSe 600	1098	881.8	811.5	735.9	691.2	636.6	569.1	478.8	331.1	210	161.8	129.1	108.5	94.2	83.7	75.4	63.5	31.5						
LSe 700	1287	1029.6	948.3	856.7	802.4	737.8	651.3	548.8	388.8	250	196.8	158.4	140.6	126.8	114.0	100.0	86.0	42.0						
LSe 800	1476	1171.2	1079.7	976.2	911.8	836.4	740.9	626.4	451.2	294	231.2	187.6	160.0	144.0	126.8	111.6	100.6	47.2						
LSe 900	1665	1326.7	1225.2	1111.7	1036.4	951.0	846.5	722.0	516.0	333	265.2	214.4	180.8	160.0	144.0	126.8	112.0	56.0						
LSe 1000	1854	1478.8	1367.3	1243.8	1158.4	1063.0	948.5	814.0	588.0	375	300.0	243.2	204.8	180.0	162.0	144.0	126.0	63.0						
LSe 1100	2043	1637.7	1516.2	1382.7	1287.4	1182.0	1057.5	913.0	666.0	420	336.0	273.6	228.8	200.0	178.0	160.0	142.0	71.0						
LSe 1200	2232	1806.6	1675.1	1531.6	1426.4	1311.0	1176.5	1022.0	744.0	468	379.2	311.2	261.6	228.0	204.0	182.0	162.0	81.0						
LSe 1300	2421	1975.5	1834.0	1680.5	1565.4	1440.0	1295.5	1131.0	822.0	516	417.6	343.2	288.0	250.0	222.0	200.0	178.0	89.0						
LSe 1400	2610	2164.4	2012.9	1849.4	1724.4	1589.0	1434.5	1259.0	906.0	564	458.4	379.2	316.8	274.0	242.0	216.0	194.0	97.0						
LSe 1500	2800	2353.3	2191.8	2017.3	1882.4	1737.0	1572.5	1387.0	1000.0	624	507.2	422.4	353.6	306.0	270.0	240.0	214.0	107.0						
LSe 1600	2989	2542.2	2370.7	2186.2	2051.4	1896.0	1721.5	1526.0	1104.0	684	556.8	467.2	393.6	342.0	302.0	268.0	238.0	119.0						
LSe 1700	3178	2731.1	2549.6	2355.1	2210.4	2045.0	1860.5	1655.0	1193.0	744	614.4	518.4	438.4	382.0	336.0	300.0	266.0	133.0						
LSe 1800	3367	2920.0	2728.5	2524.0	2379.4	2194.0	2000.0	1785.0	1262.0	792	652.8	551.2	467.2	406.0	356.0	316.0	278.0	140.0						
LSe 1900	3556	3108.9	2907.4	2692.9	2548.4	2353.0	2149.0	1934.0	1350.0	840	691.2	584.0	496.0	430.0	376.0	332.0	290.0	145.0						
LSe 2000	3745	3297.8	3086.3	2861.8	2717.4	2512.0	2298.0	2073.0	1440.0	888	729.6	617.6	524.8	454.0	396.0	348.0	304.0	152.0						

DISCHARGE DATA (A) to 1.80 VPC at 25°C

Type	DISCHARGE TIME (Minutes)								DISCHARGE TIME (Hours)															
	1	5	7	10	12	15	20	30	1	2	3	4	5	6	7	8	10	24						
BLSe 12-50	73.5	62	58	53.4	50.8	47.4	43	36.4	25.9	17	12.8	10.3	8.7	7.6	6.8	6.2	5.2	2.7						
BLSe 12-100	147	124	116	106.7	101.5	94.9	85.9	72.8	51.7	33.9	25.5	20.6	17.4	15.2	13.7	12.4	10.4	5.4						
BLSe 6-150	220.5	186	174	160.1	152.3	142.3	128.9	109.2	77.6	50.9	38.3	31	26.1	22.9	20.5	18.6	15.7	8						
BLSe 6-200	294	248	232	213.4	203	189.7	171.8	145.6	103.4	67.8	51	41.3	34.8	30.5	27.3	24.8	20.9	10.7						
BLSe 6-250	360.2	303.8	284.2	261.4	248.7	232.4	210.5	178.4	126.7	83.1	62.5	50.6	42.7	37.3	33.5	30.3	25.6	13.1						
BLSe 6-300	423.4	357.1	334.1	307.3	292.3	273.2	247.4	209.7	148.9	97.6	73.4	59.4	50.2	43.9	39.3	35.7	30.1	15.4						
LSe 100	149.9	126.5	118.3	108.8	103.5	96.7	87.6	74.3	52.7	34.6	26	21.1	17.8	15.5	13.9	12.6	10.6	5.5						
LSe 150	222.7	187.9	175.7	161.7	153.8	143.7	130.1	110.3	78.3	51.4	38.6	31.3	26.4	23.1	20.7	18.8	15.8	8.1						
LSe 200	294	248	232	213.4	203	189.7	171.8	145.6	103.4	67.8	51	41.3	34.8	30.5	27.3	24.8	20.9	10.7						
LSe 250	367.5	310	290	266.8	253.8	237.1	214.8	182	129.3	84.8	63.8	51.6	43.6	38.1	34.2	31	26.1	13.4						
LSe 300	441	372	348	320.1	304.5	284.6	257.7	218.4	155.1	101.7	76.5	61.9	52.3	45.7	41	37.1	31.3	16.1						
LSe 350	514.5	434	406	373.5	355.3	332	300.7	254.8	181	118.7	89.3	72.2	61	53.3	47.8	43.3	36.5	18.7						
LSe 400	588	496	464	426.8	406	379.4	343.6	291.2	206.8	135.6	102	82.6	69.7	61	54.6	49.5	41.8	21.4						
LSe 450	661.5	558	522	480.2	456.8	426.8	386.6	327.6	232.7	152.6	114.8	92.9	78.4	68.6	61.5	55.7	47	24.1						
LSe 500	735	624	588	546.3	522.4	492.4	442.4	377.4	277.7	177.7	139.9	114.9	97.9	85.9	77.9	70.9	60.9	30.9						
LSe 600	909	768	722	670.2	646.2	616.2	566.2	481.2	341.2	211.2	161.2	131.2	111.2	98.2	88.2	80.2	68.2	34.2						
LSe 700	1098	924	878	826.2	802.2	772.2	722.2	612.2	422.2	262.2	202.2	162.2	137.2	122.2	112.2	102.2	88.2	44.2						
LSe 800	1287	1071.2	1025.2	973.2	949.2	919.2	869.2	749.2	519.2	319.2	249.2	209.2	179.2	159.2	144.2	134.2	118.2	59.2						
LSe 900	1476	1231.2	1185.2	1133.2	1109.2	1079.2	1029.2	889.2	619.2	379.2	299.2	249.2	209.2	184.2	169.2	154.2	138.2	69.2						
LSe 1000	1665	1396.7	1350.7	1298.7	1274.7	1244.7	1194.7	1054.7	744.7	454.7	354.7	294.7	244.7	214.7	199.7	184.7	168.7	84.7						
LSe 1100	1854	1553.7	1507.7	1455.7	1431.7	1401.7	1351.7	1211.7	841.7	511.7	411.7	351.7	291.7	241.7	216.7	201.7	185.7	92.7						
LSe 1200	2043	1722.7	1676.7	1624.7	1600.7	1570.7	1520.7	1380.7	940.7	570.7	470.7	410.7	350.7	290.7	255.7	240.7	224.7	112.7						
LSe 1300	2232	1901.7	1855.7	1803.7	1779.7	1749.7	1699.7	1559.7	1059.7	629.7	529.7	469.7	409.7	349.7	314.7	299.7	283.7	141.7						
LSe 1400	2421	2060.7	2014.7	1962.7	1938.7	1908.7	1878.7	1738.7	1138.7	688.7	588.7	528.7	468.7	408.7	373.7	358.7	343.7	171.7						
LSe 1500	2610	2229.7	2183.7	2131.7	2107.7	2077.7	2047.7	1907.7	1307.7	797.7	697.7	637.7	577.7	517.7	482.7	467.7	452.7	226.7						
LSe 1600	2800	2409.7	2363.7	2311.7	2287.7	2257.7	2227.7	2087.7	1487.7	897.7	797.7	737.7	677.7	617.7	582.7	567.7	552.7	277.7						
LSe 1700	3000	2579.7	2533.7	2481.7	2457.7	2427.7	2397.7	2257.7	1657.7	1007.7	907.7	847.7	787.7	727.7	692.7	677.7	662.7	338.7						
LSe 1800	3210	2769.7	2723.7	2671.7	2647.7	2617.7	2587.7	2447.7	1847.7	1147.7	1047.7	987.7	927.7	867.7	832.7	817.7	802.7	409.7						
LSe 1900	3420	2979.7	2933.7	2881.7	2857.7	2827.7	2797.7	2657.7	2057.7	1307.7	1207.7	1147.7	1087.7	1027.7	992.7	977.7	962.7	489.7						
LSe 2000	3630	3189.7	3143.7	3091.7	3067.7	3037.7	3007.7	2867.7	2267.7	1517.7	1417.7	1357.7	1297.7	1237.7	1202.7	1187.7	1172.7	599.7						

LSe

Lead Selenium
Flat Plate Battery

DISCHARGE DATA (A) to 1.81 VPC at 25°C

Type	DISCHARGE TIME (Minutes)								DISCHARGE TIME (Hours)															
	1	5	7	10	12	15	20	30	1	2	3	4	5	6	7	8	10	24						
BLSe 12-50	70	59.7	56	51.7	49.2	46.1	41.8	35.5	25.4	16.7	12.6	10.2	8.6	7.5	6.8	6.2	5.2	2.7						
BLSe 12-100	140	119.3	112	103.4	98.4	92.1	83.6	71	50.7	33.5	25.3	20.4	17.2	15.1	13.5	12.3	10.4	5.3						
BLSe 6-150	210	179	167.9	155	147.7	138.2	125.4	106.6	76.1	50.2	37.9	30.7	25.9	22.6	20.3	18.5	15.6	8						
BLSe 6-200	280	238.6	223.9	206.7	196.9	184.3	167.2	142.1	101.4	67	50.5	40.9	34.5	30.2	27	24.6	20.8	10.6						
BLSe 6-250	343	292.3	274.3	253.2	241.2	225.7	204.8	174	124.3	82	61.9	50.1	42.3	37	33.1	30.2	25.5	13						
BLSe 6-300	403.2	343.6	322.4	297.7	283.5	265.4	240.8	204.6	146.1	96.4	72.7	58.8	49.7	43.5	38.9	35.5	29.9	15.3						
LSe 100	142.8	121.7	114.2	105.4	100.4	94	85.3	72.5	51.7	34.1	25.8	20.8	17.6	15.4	13.8	12.6	10.6	5.4						
LSe 150	212.1	180.8	169.6	156.6	149.1	139.6	126.7	107.6	76.8	50.7	38.3	31	26.1	22.9	20.5	18.7	15.7	8.1						
LSe 200	280	238.6	223.9	206.7	196.9	184.3	167.2	142.1	101.4	67	50.5	40.9	34.5	30.2	27	24.6	20.8	10.6						
LSe 250	350	298.3	279.9	258.4	246.1	230.4	209	177.6	126.8	83.7	63.2	51.1	43.1	37.7	33.8	30.8	26	13.3						
LSe 300	420	358	335.9	310.1	295.3	276.4	250.8	213.1	152.2	100.4	75.8	61.3	51.7	45.3	40.6	36.9	31.2	16						
LSe 350	490	417.6	391.9	361.8	344.5	322.5	292.6	248.6	177.5	117.2	88.4	71.5	60.4	52.8	47.3	43.1	36.4	18.6						
LSe 400	560	477.3	447.8	413.4	393.8	368.6	334.4	284.2	202.9	133.9	101	81.7	69	60.4	54.1	49.3	41.6	21.3						
LSe 450	630	536.9	503.8	465.1	443	414.6	376.2	319.7	228.2	150.7	113.7	92	77.6	67.9	60.9	55.4	46.8	23.9						
LSe 500	698.4	584.3	543.4	503.3	479.3	450.6	411.4	354.8	254.4	155.3	121.1	99.3	84.8	74.2	66.3	59.9	50.6	25.4						
LSe 600	860.1	712.2	661.1	611.1	576.1	542.1	500.1	441.1	324.1	186.3	145.3	119.2	101.8	89.1	79.5	71.9	60.7	30.4						
LSe 700	971.8	803.8	742.8	682.8	642.8	602.8	552.8	484.8	354.8	217.4	169.5	139.1	118.8	103.9	92.8	83.9	70.8	35.5						
LSe 800	1083.4	903.4	832.4	762.4	712.4	672.4	622.4	544.4	404.4	248.4	193.8	158.9	135.7	118.7	106.1	95.9	80.9	40.6						
LSe 900	1195.1	991.7	912.1	832.1	772.1	732.1	682.1	571.3	451.6	279.7	218	178.8	152.7	133.6	119.3	107.9	91	45.6						
LSe 1000	1306.8	1086.6	1006.6	926.6	866.6	826.6	776.6	676.6	556.6	340.5	264.2	218.7	182.7	163.6	148.4	132.6	119.9	101.2						
LSe 1100	1418.5	1188.5	1108.5	1028.5	968.5	928.5	878.5	778.5	658.5	391.6	311.6	266.6	218.6	186.7	163.3	145.8	131.9	111.3						
LSe 1200	1530.2	1280.2	1200.2	1120.2	1060.2	1020.2	970.2	870.2	750.2	459.7	369.6	309.6	259.6	218.6	186.7	163.3	145.8	121.4						
LSe 1300	1641.9	1371.9	1291.9	1211.9	1151.9	1111.9	1061.9	961.9	841.9	516.6	416.6	346.6	286.6	241.6	206.6	181.6	161.6	131.6						
LSe 1400	1753.6	1463.6	1383.6	1303.6	1243.6	1203.6	1153.6	1053.6	933.6	566.6	466.6	396.6	336.6	291.6	256.6	231.6	211.6	181.6						
LSe 1500	1865.3	1555.3	1475.3	1395.3	1335.3	1295.3	1245.3	1145.3	1025.3	616.6	516.6	446.6	386.6	341.6	306.6	281.6	261.6	231.6						
LSe 1600	1977.0	1647.0	1567.0	1487.0	1427.0	1387.0	1337.0	1237.0	1117.0	666.6	566.6	496.6	436.6	391.6	356.6	331.6	311.6	281.6						
LSe 1700	2088.7	1738.7	1658.7	1578.7	1518.7	1478.7	1428.7	1328.7	1208.7	706.6	606.6	536.6	476.6	431.6	396.6	371.6	351.6	321.6						
LSe 1800	2200.4	1830.4	1750.4	1670.4	1610.4	1570.4	1520.4	1420.4	1300.4	756.6	656.6	586.6	526.6	481.6	446.6	421.6	401.6	371.6						
LSe 1900	2312.1	1922.1	1842.1	1762.1	1702.1	1662.1	1612.1	1512.1	1392.1	806.6	706.6	636.6	576.6	531.6	496.6	471.6	451.6	421.6						
LSe 2000	2423.8	2013.8	1933.8	1853.8	1793.8	1753.8	1703.8	1603.8	1483.8	856.6	756.6	686.6	626.6	581.6	546.6	521.6	501.6	471.6						

DISCHARGE DATA (A) to 1.85 VPC at 25°C

Type	DISCHARGE TIME (Minutes)								DISCHARGE TIME (Hours)															
	1	5	7	10	12	15	20	30	1	2	3	4	5	6	7	8	10	24						
BLSe 12-50	56	50.3	47.9	45	43.1	40.7	37.2	32	23.4	15.9	12.2	9.9	8.4	7.4	6.6	6	5.1	2.6						
BLSe 12-100	112	100.6	95.8	90	86.2	81.3	74.4	64	46.8	31.8	24.3	19.8	16.8	14.8	13.3	12.1	10.2	5.2						
BLSe 6-150	168	150.9	143.7	135	129.3	122	111.6	96	70.2	47.7	36.5	29.8	25.2	22.2	19.9	18.1	15.3	7.8						
BLSe 6-200	224	201.2	191.6	180	172.4	162.6	148.8	128	93.6	63.6	48.6	39.7	33.7	29.5	26.5	24.1	20.4	10.4						
BLSe 6-250	274.4	246.5	234.7	220.5	211.2	199.2	182.3	156.8	114.7	77.9	59.5	48.6	41.2	36.2	32.5	29.5	25	12.7						
BLSe 6-300	322.6	289.7	275.9	259.2	248.3	234.1	214.3	184.3	134.8	91.6	70	57.1	48.5	42.5	38.2	34.7	29.4	15						
LSe 100	114.2	102.6	97.7	91.8	87.9	82.9	75.9	65.3	47.7	32.4	24.8	20.2	17.2	15.1	13.5	12.3	10.4	5.3						
LSe 150	169.7	152.4	145.1	136.4	130.6	123.2	112.7	97	70.9	48.2	36.8	30.1	25.5	22.4	20.1	18.3	15.5	7.9						
LSe 200	224	201.2	191.6	180	172.4	162.6	148.8	128	93.6	63.6	48.6	39.7	33.7	29.5	26.5	24.1	20.4	10.4						
LSe 250	280	251.5	239.5	225	215.5	203.3	186	160	117	79.5	60.8	49.6	42.1	36.9	33.1	30.2	25.5	13						
LSe 300	336	301.8	287.4	270	258.6	243.9	223.2	192	140.4	95.4	72.9	59.5	50.5	44.3	39.8	36.2	30.6	15.6						
LSe 350	392	352.1	335.3	315	301.7	284.6	260.4	224	163.8	111.3	85.1	69.4	58.9	51.7	46.4	42.2	35.7	18.2						
LSe 400	448	402.4	383.2	360	344.8	325.2	297.6	256	187.2	127.2	97.2	79.4	67.3	59.1	53	48.2	40.8	20.8						
LSe 450	504	452.7	431.1	405	387.9	365.9	334.8	288	210.6	143.1	109.4	89.3	75.7	66.5	59.6	54.3	45.9	23.4						
LSe 500	560	505.5	483.9	457.8	439.8	417.8	386.4	330.4	240	164.4	124.4	101.4	84.4	74.4	66.4	60.4	50.4	25.4						
LSe 600	672.0	606.0	579.6	549.6	527.6	505.6	468.0	408.0	300.0	204.0	156.0	128.0	108.0	94.0	84.0	76.0	64.0	32.0						
LSe 700	784.0	704.0	672.0	638.0	616.0	594.0	548.0	480.0	360.0	240.0	180.0	144.0	120.0	104.0	92.0	84.0	72.0	36.0						
LSe 800	896.0	808.0	776.0	744.0	722.0	700.0	648.0	576.0	432.0	288.0	216.0	176.0	148.0	128.0	112.0	100.0	88.0	44.0						
LSe 900	1008.0	912.0	880.0	848.0	826.0	804.0	752.0	672.0	512.0	344.0	264.0	216.0	184.0	160.0	144.0	128.0	112.0	56.0						
LSe 1000	1120.0	1024.0	992.0	960.0	938.0	916.0	864.0	784.0	608.0	464.0	352.0	288.0	240.0	208.0	192.0	176.0	160.0	80.0						
LSe 1100	1232.0	1136.0	1104.0	1072.0	1050.0	1028.0	976.0	896.0	704.0	544.0	424.0	344.0	288.0	240.0	208.0	192.0	176.0	88.0						
LSe 1200	1344.0	1248.0	1216.0	1184.0	1162.0	1140.0	1088.0	1008.0	800.0	624.0	496.0	408.0	344.0	288.0	240.0	208.0	192.0	96.0						
LSe 1300	1456.0	1360.0	1328.0	1296.0	1274.0	1252.0	1200.0	1120.0	904.0	712.0	576.0	472.0	400.0	336.0	288.0	240.0	208.0	104.0						
LSe 1400	1568.0	1472.0	1440.0	1408.0	1386.0	1364.0	1312.0	1232.0	1016.0	824.0	672.0	560.0	480.0	408.0	352.0	304.0	264.0	112.0						
LSe 1500	1680.0	1584.0	1552.0	1520.0	1498.0	1476.0	1424.0	1344.0	1128.0	936.0	784.0	672.0	584.0	504.0	440.0	384.0	336.0	120.0						
LSe 1600	1792.0	1696.0	1664.0	1632.0	1610.0	1588.0	1536.0	1456.0	1240.0	1048.0	896.0	784.0	696.0	616.0	552.0	496.0	448.0	128.0						
LSe 1700	1904.0	1808.0	1776.0	1744.0	1722.0	1700.0	1648.0	1568.0	1352.0	1160.0	1008.0	896.0	808.0	728.0	664.0	608.0	560.0	136.0						
LSe 1800	2016.0	1920.0	1888.0	1856.0	1834.0	1812.0	1760.0	1680.0	1464.0	1272.0	1120.0	1008.0	920.0	840.0	776.0	720.0	672.0	144.0						
LSe 1900	2128.0	2032.0	2000.0	1968.0	1946.0	1924.0	1872.0	1792.0	1576.0	1384.0	1232.0	1120.0	1032.0	952.0	888.0	832.0	784.0	152.0						
LSe 2000	2240.0	2144.0	2112.0	2080.0	2058.0	2036.0	1984.0	1904.0	1688.0	1496.0	1344.0	1232.0	1144.0	1064.0	1000.0	944.0	896.0	160.0						

LSe

Lead Selenium
Flat Plate Battery

DISCHARGE DATA (WPC) to 1.75 VPC at 25°C

Type	DISCHARGE TIME (Minutes)								DISCHARGE TIME (Hours)															
	1	5	7	10	12	15	20	30	1	2	3	4	5	6	7	8	10	24						
BLSe 12-50	160.8	131.9	122.4	111.6	106.2	99.0	89.4	75.4	53.2	34.5	25.8	20.9	17.6	15.4	13.7	12.4	10.5	5.4						
BLSe 12-100	321.6	263.8	244.9	223.2	212.3	198.0	178.7	150.9	106.4	69.0	51.6	41.8	35.3	30.7	27.4	24.9	20.9	10.8						
BLSe 6-150	482.4	395.8	367.3	334.8	318.5	297.1	268.1	226.3	159.6	103.5	77.4	62.6	52.9	46.1	41.1	37.3	31.4	16.3						
BLSe 6-200	643.2	527.7	489.8	446.5	424.7	396.1	357.5	301.8	212.8	138.0	103.2	83.5	70.5	61.4	54.7	49.7	41.9	21.7						
BLSe 6-250	787.9	646.4	600.0	546.9	520.2	485.2	437.9	369.7	260.7	169.0	126.4	102.3	86.4	75.3	67.1	60.9	51.3	26.6						
BLSe 6-300	926.2	759.9	705.3	642.9	611.5	570.4	514.7	434.5	306.5	198.7	148.6	120.2	101.5	88.5	78.8	71.6	60.3	31.2						
LSe 100	328.0	269.1	249.8	227.7	216.6	202.0	182.3	153.9	108.5	70.4	52.6	42.6	36.0	31.3	27.9	25.4	21.4	11.1						
LSe 150	487.2	399.7	371.0	338.2	321.7	300.0	270.8	228.6	161.2	104.5	78.2	63.3	53.4	46.5	41.5	37.7	31.7	16.4						
LSe 200	643.2	527.7	489.8	446.5	424.7	396.1	357.5	301.8	212.8	138.0	103.2	83.5	70.5	61.4	54.7	49.7	41.9	21.7						
LSe 250	804.0	659.6	612.2	558.1	530.9	495.1	446.8	377.2	266.0	172.4	129.0	104.4	88.1	76.8	68.4	62.1	52.3	27.1						
LSe 300	964.8	791.5	734.7	669.7	637.0	594.1	536.2	452.6	319.2	206.9	154.8	125.3	105.8	92.2	82.1	74.6	62.8	32.5						
LSe 350	1125.6	923.5	857.1	781.3	743.2	693.2	625.6	528.1	372.4	241.4	180.6	146.1	123.4	107.5	96.8	87.0	73.3	37.9						
LSe 400	1286.4	1055.4	979.6	892.9	849.4	792.2	714.9	603.5	425.6	275.9	206.4	167.0	141.0	122.9	109.5	99.4	83.7	43.4						
LSe 450	1447.2	1187.3	1102.0	1004.5	955.5	891.2	804.3	679.0	478.8	310.4	232.2	187.9	158.7	138.3	123.2	111.8	94.2	48.8						
LSe 500	1608.0	1328.4	1233.1	1125.5	1066.3	991.9	888.1	747.0	514.4	326.8	244.8	197.6	164.0	141.8	126.7	114.6	96.1	51.3						
LSe 600	1929.6	1574.1	1455.1	1328.1	1257.3	1164.1	1036.1	865.1	581.6	359.2	271.2	214.4	175.2	150.4	133.6	120.8	102.8	51.6						
LSe 700	2251.2	1847.7	1706.2	1569.0	1485.5	1386.2	1216.5	1014.9	673.2	414.4	306.4	244.8	208.3	181.5	161.7	146.0	123.3	61.9						
LSe 800	2572.8	2094.3	1934.7	1786.5	1692.1	1578.1	1396.1	1154.9	754.4	464.8	338.4	268.8	224.8	196.5	174.8	158.4	133.3	72.2						
LSe 900	2894.4	2367.4	2186.2	2026.5	1921.1	1796.1	1584.1	1312.9	844.8	514.4	372.8	292.8	244.8	208.3	181.5	161.7	146.0	82.5						
LSe 1000	3216.0	2651.4	2447.7	2266.5	2151.1	2016.1	1774.1	1472.9	956.8	574.4	414.4	326.8	268.8	224.8	196.5	174.8	158.4	92.8						
LSe 1100	3537.6	2942.9	2714.2	2514.5	2389.1	2244.1	2002.1	1660.1	1068.8	644.8	454.4	354.4	286.8	236.8	204.8	181.5	161.7	103.2						
LSe 1200	3859.2	3214.4	2965.7	2744.5	2609.1	2454.1	2192.1	1810.1	1176.8	704.8	504.8	394.8	316.8	258.8	222.8	196.5	174.8	113.5						
LSe 1300	4180.8	3475.9	3197.0	2956.5	2801.1	2636.1	2354.1	1942.1	1298.8	774.8	554.8	434.8	346.8	280.8	240.8	210.8	185.0	123.8						
LSe 1400	4502.4	3737.4	3428.1	3167.5	2992.1	2817.1	2514.1	2072.1	1420.8	834.8	594.8	464.8	366.8	298.8	254.8	224.8	199.0	133.8						
LSe 1500	4824.0	4000.0	3659.0	3378.5	3183.1	2988.1	2656.1	2194.1	1542.8	904.8	644.8	504.8	396.8	318.8	274.8	244.8	214.0	143.8						
LSe 1600	5145.6	4266.0	3895.0	3584.5	3369.1	3164.1	2812.1	2282.1	1660.8	974.8	694.8	544.8	426.8	338.8	294.8	264.8	234.0	153.8						
LSe 1700	5467.2	4527.5	4126.0	3795.5	3570.1	3365.1	2992.1	2440.1	1780.8	1044.8	754.8	584.8	456.8	360.8	316.8	286.8	256.0	163.8						
LSe 1800	5788.8	4788.9	4357.0	4016.5	3791.1	3586.1	3192.1	2620.1	1900.8	1114.8	804.8	614.8	476.8	370.8	326.8	296.8	266.0	173.8						
LSe 1900	6110.4	5049.4	4588.0	4237.5	4012.1	3807.1	3392.1	2780.1	2060.8	1184.8	854.8	644.8	496.8	380.8	336.8	306.8	276.0	183.8						
LSe 2000	6432.0	5300.0	4807.0	4446.5	4221.1	4016.1	3592.1	2960.1	2220.8	1254.8	904.8	674.8	516.8	390.8	346.8	316.8	286.0	193.8						

DISCHARGE DATA (WPC) to 1.80 Vpc at 25°C

Type	DISCHARGE TIME (Minutes)								DISCHARGE TIME (Hours)															
	1	5	7	10	12	15	20	30	1	2	3	4	5	6	7	8	10	24						
BLSe 12-50	133.0	113.5	106.5	98.5	94.0	88.1	80.1	68.3	49.1	32.7	24.7	20.1	17.0	14.9	13.4	12.1	10.3	5.3						
BLSe 12-100	266.1	226.9	213.0	197.1	188.0	176.3	160.2	136.6	98.2	65.3	49.5	40.2	34.0	29.8	26.8	24.3	20.5	10.6						
BLSe 6-150	399.1	340.4	319.6	295.6	282.0	264.4	240.3	204.9	147.3	98.0	74.2	60.3	51.0	44.7	40.2	36.4	30.8	15.9						
BLSe 6-200	532.1	453.8	426.1	394.1	376.0	352.6	320.4	273.1	196.5	130.7	99.0	80.4	68.1	59.7	53.6	48.6	41.0	21.1						
BLSe 6-250	651.9	556.0	521.9	482.8	460.5	431.9	392.5	334.6	240.7	160.1	121.2	98.5	83.4	73.1	65.6	59.5	50.3	25.9						
BLSe 6-300	766.3	653.5	613.5	567.6	541.4	507.7	461.4	393.3	282.9	188.2	142.5	115.8	98.0	85.9	77.1	70.0	59.1	30.5						
LSe 100	271.4	231.5	217.3	201.0	191.7	179.8	163.4	139.3	100.2	66.6	50.5	41.0	34.7	30.4	27.3	24.8	20.9	10.8						
LSe 150	403.1	343.8	322.7	298.6	284.8	267.1	242.7	206.9	148.8	99.0	75.0	60.9	51.6	45.2	40.6	36.8	31.1	16.0						
LSe 200	532.1	453.8	426.1	394.1	376.0	352.6	320.4	273.1	196.5	130.7	99.0	80.4	68.1	59.7	53.6	48.6	41.0	21.1						
LSe 250	665.2	567.3	532.6	492.7	469.9	440.7	400.5	341.4	245.6	163.4	123.7	100.5	85.1	74.6	67.0	60.7	51.3	26.4						
LSe 300	798.2	680.8	639.1	591.2	563.9	528.8	480.6	409.7	294.7	196.0	148.4	120.7	102.1	89.5	80.3	72.9	61.6	31.7						
LSe 350	931.2	794.2	745.6	689.8	657.9	617.0	560.7	478.0	343.8	228.7	173.2	140.8	119.1	104.4	93.7	85.0	71.8	37.0						
LSe 400	1064.3	907.7	852.1	788.3	751.9	705.1	640.8	546.3	392.9	261.4	197.9	160.9	136.1	119.3	107.1	97.2	82.1	42.3						
LSe 450	1197.3	1021.1	958.7	886.8	845.9	793.3	720.9	614.6	442.0	294.0	222.7	181.0	153.1	134.2	120.5	109.3	92.3	47.6						
LSe 500	1330.3	1131.3	1068.7	986.8	945.9	893.3	820.9	714.6	514.6	334.6	253.2	193.5	166.0	145.6	130.3	117.8	99.6	50.5						
LSe 600	1610.3	1374.9	1285.5	1186.5	1135.5	1072.1	988.1	851.1	611.1	401.1	301.1	241.1	196.1	169.1	151.1	137.1	119.1	60.5						
LSe 700	1893.3	1610.3	1500.3	1390.3	1329.3	1254.3	1154.3	994.3	704.3	464.3	344.3	274.3	224.3	196.3	178.3	160.3	142.3	101.3						
LSe 800	2238.3	1965.3	1845.3	1715.3	1644.3	1554.3	1454.3	1284.3	914.3	594.3	444.3	364.3	304.3	264.3	234.3	212.3	189.3	121.3						
LSe 900	2613.3	2312.3	2182.3	2042.3	1961.3	1861.3	1741.3	1561.3	1091.3	721.3	541.3	441.3	371.3	321.3	281.3	251.3	221.3	141.3						
LSe 1000	3018.3	2668.3	2518.3	2358.3	2268.3	2148.3	1988.3	1768.3	1218.3	808.3	608.3	508.3	428.3	368.3	328.3	298.3	268.3	178.3						
LSe 1100	3453.3	3043.3	2863.3	2683.3	2573.3	2433.3	2253.3	2013.3	1363.3	913.3	683.3	573.3	483.3	413.3	363.3	323.3	283.3	203.3						
LSe 1200	3928.3	3453.3	3243.3	3043.3	2913.3	2753.3	2553.3	2293.3	1513.3	1003.3	753.3	633.3	533.3	453.3	393.3	343.3	303.3	223.3						
LSe 1300	4443.3	3913.3	3663.3	3423.3	3263.3	3073.3	2843.3	2563.3	1713.3	1143.3	853.3	713.3	593.3	503.3	433.3	373.3	323.3	243.3						
LSe 1400	5008.3	4413.3	4123.3	3843.3	3653.3	3433.3	3173.3	2863.3	1913.3	1273.3	953.3	803.3	673.3	573.3	493.3	423.3	363.3	273.3						
LSe 1500	5623.3	4963.3	4633.3	4313.3	4083.3	3833.3	3543.3	3203.3	2113.3	1383.3	1033.3	873.3	743.3	633.3	543.3	463.3	393.3	303.3						
LSe 1600	6308.3	5583.3	5213.3	4853.3	4583.3	4293.3	3953.3	3563.3	2363.3	1513.3	1113.3	943.3	803.3	683.3	583.3	503.3	423.3	333.3						
LSe 1700	7063.3	6283.3	5873.3	5473.3	5163.3	4833.3	4443.3	4003.3	2663.3	1663.3	1213.3	1023.3	873.3	753.3	643.3	553.3	463.3	373.3						
LSe 1800	7908.3	7063.3	6613.3	6173.3	5823.3	5453.3	5033.3	4563.3	3013.3	1863.3	1363.3	1153.3	993.3	863.3	743.3	643.3	553.3	463.3						
LSe 1900	8843.3	7903.3	7413.3	6933.3	6543.3	6143.3	5693.3	5193.3	3363.3	2063.3	1513.3	1283.3	1103.3	963.3	833.3	723.3	623.3	523.3						
LSe 2000	9878.3	8843.3	8313.3	7793.3	7363.3	6933.3	6443.3	5893.3	3713.3	2263.3	1663.3	1413.3	1213.3	1053.3	913.3	793.3	683.3	573.3						

LSe

Lead Selenium
Flat Plate Battery

DISCHARGE DATA (WPC) to 1.81 VPC at 25°C

Type	DISCHARGE TIME (Minutes)								DISCHARGE TIME (Hours)													
	1	5	7	10	12	15	20	30	1	2	3	4	5	6	7	8	10	24				
BLSe 12-50	127.3	109.7	103.2	95.8	91.5	85.9	78.2	66.8	48.3	32.3	24.5	19.9	16.9	14.8	13.3	12.1	10.2	5.3				
BLSe 12-100	254.6	219.3	206.5	191.7	183.0	171.8	156.4	133.7	96.6	64.6	49.1	39.8	33.7	29.6	26.5	24.2	20.4	10.5				
BLSe 6-150	381.9	329.0	309.7	287.5	274.5	257.7	234.6	200.5	144.9	96.9	73.6	59.8	50.6	44.3	39.8	36.3	30.7	15.8				
BLSe 6-200	509.2	438.6	413.0	383.4	366.0	343.6	312.8	267.3	193.1	129.2	98.1	79.7	67.4	59.1	53.1	48.4	40.9	21.0				
BLSe 6-250	623.8	537.3	505.9	469.6	448.3	421.0	383.2	327.5	236.6	158.3	120.2	97.6	82.6	72.4	65.0	59.3	50.1	25.8				
BLSe 6-300	733.3	631.6	594.7	552.1	527.0	494.8	450.5	384.9	278.1	186.1	141.3	114.7	97.1	85.1	76.4	69.6	58.9	30.3				
LSe 100	259.7	223.7	210.6	195.5	186.6	175.3	159.5	136.3	98.5	65.9	50.0	40.6	34.4	30.1	27.1	24.7	20.8	10.7				
LSe 150	385.7	332.3	312.8	290.4	277.2	260.3	237.0	202.5	146.3	97.9	74.3	60.4	51.1	44.8	40.2	36.6	31.0	15.9				
LSe 200	509.2	438.6	413.0	383.4	366.0	343.6	312.8	267.3	193.1	129.2	98.1	79.7	67.4	59.1	53.1	48.4	40.9	21.0				
LSe 250	636.5	548.3	516.2	479.2	457.5	429.6	391.0	334.1	241.4	161.5	122.6	99.6	84.3	73.9	66.3	60.5	51.1	26.3				
LSe 300	763.8	657.9	619.4	575.1	548.9	515.5	469.2	401.0	289.7	193.8	147.2	119.5	101.1	88.7	79.6	72.6	61.3	31.6				
LSe 350	891.1	767.6	722.7	670.9	640.4	601.4	547.5	467.8	338.0	226.1	171.7	139.4	118.0	103.4	92.8	84.6	71.5	36.8				
LSe 400	1018.4	877.2	825.9	766.8	731.9	687.3	625.7	534.6	386.3	258.4	196.2	159.4	134.8	118.2	106.1	96.7	81.7	42.1				
LSe 450	1145.7	986.9	929.1	862.6	823.4	773.2	703.9	601.4	434.6	290.7	220.7	179.3	151.7	133.0	119.4	108.8	92.0	47.3				
LSe 500	144.2	703.3	684.7	657.9	642.4	620.2	586.6	529.2	413.4	295.2	232.5	191.9	164.6	144.4	129.2	117.0	99.0	50.2				
LSe 600	893.0	844.0	821.7	789.5	770.9	744.3	703.9	635.0	496.1	354.2	279.0	230.3	197.5	173.2	155.0	140.4	118.8	60.3				
LSe 700	1041.9	984.7	958.6	921.1	899.4	868.3	821.2	740.8	578.8	413.3	325.5	258.7	230.4	202.1	180.9	163.8	138.6	70.3				
LSe 800	1190.7	1125.4	1095.6	1052.7	1027.9	992.4	938.5	846.7	661.5	472.3	372.0	307.1	263.3	231.0	206.7	187.2	158.3	80.4				
LSe 900	1339.5	1266.0	1232.5	1184.2	1156.4	1116.4	1055.8	952.5	744.2	531.3	418.5	345.5	296.2	259.8	232.5	210.6	178.1	90.4				
LSe 1000	1488.4	1406.7	1369.5	1315.8	1284.9	1240.4	1173.1	1058.3	826.9	590.4	465.0	383.9	329.2	288.7	258.4	234.0	197.9	100.4				
LSe 1100	1637.2	1547.4	1506.4	1447.4	1413.4	1364.5	1290.4	1164.1	909.5	649.4	511.5	422.2	362.1	317.6	284.2	257.4	217.7	110.5				
LSe 1200	1786.0	1688.0	1643.4	1579.0	1541.8	1488.5	1407.7	1270.0	992.2	708.4	558.0	460.6	395.0	346.4	310.0	280.8	237.5	120.5				
LSe 1300	1896.2	1792.1	1744.7	1676.4	1636.9	1580.3	1494.5	1348.3	1053.4	752.1	592.4	489.0	419.3	367.8	329.2	298.2	252.2	128.0				
LSe 1400	2021.2	1910.3	1859.8	1786.9	1744.8	1684.5	1593.1	1437.2	1122.9	801.7	631.4	521.3	447.0	392.1	350.9	317.8	268.8	136.4				
LSe 1500	2232.6	2110.0	2054.2	1973.7	1927.3	1860.7	1759.7	1587.5	1240.3	885.5	697.5	575.8	493.7	433.1	387.6	351.0	296.9	150.7				
LSe 1600	2381.4	2250.7	2191.2	2105.3	2055.8	1984.7	1877.0	1693.3	1323.0	944.6	744.0	614.2	526.6	461.9	413.4	374.4	316.7	160.7				
LSe 1700	2504.9	2367.5	2304.8	2214.5	2162.4	2087.7	1974.3	1781.1	1391.6	993.6	782.6	646.0	554.0	485.9	434.8	393.9	333.1	169.1				
LSe 1800	2679.1	2532.0	2465.1	2368.5	2312.8	2232.8	2111.6	1905.0	1488.3	1062.6	837.0	690.9	592.5	519.7	465.1	421.3	356.3	180.8				
LSe 1900	2827.9	2672.7	2602.0	2500.1	2441.2	2356.8	2228.9	2010.8	1571.0	1121.7	883.5	729.3	625.4	548.5	490.9	444.7	376.1	190.8				
LSe 2000	2961.9	2799.3	2725.3	2618.5	2556.9	2468.5	2334.5	2108.0	1645.4	1174.8	925.3	763.9	655.0	574.5	514.2	465.7	393.9	199.9				

DISCHARGE DATA (WPC) to 1.85 VPC at 25°C

Type	DISCHARGE TIME (Minutes)								DISCHARGE TIME (Hours)													
	1	5	7	10	12	15	20	30	1	2	3	4	5	6	7	8	10	24				
BLSe 12-50	103.8	94.1	89.8	84.8	81.3	76.8	70.5	60.9	44.9	30.8	23.7	19.4	16.5	14.5	13.0	11.9	10.1	5.2				
BLSe 12-100	207.5	188.1	179.6	169.7	162.6	153.7	141.0	121.8	89.9	61.7	47.3	38.8	33.0	29.0	26.1	23.7	20.1	10.3				
BLSe 6-150	311.3	282.2	269.4	254.5	243.9	230.5	211.5	182.7	134.8	92.5	71.0	58.2	49.5	43.5	39.1	35.6	30.2	15.5				
BLSe 6-200	415.1	376.2	359.3	339.3	325.1	307.3	282.0	243.6	179.7	123.3	94.7	77.6	65.9	58.0	52.1	47.5	40.2	20.6				
BLSe 6-250	508.5	460.9	440.1	415.6	398.3	376.5	345.4	298.4	220.1	151.1	116.0	95.0	80.8	71.0	63.8	58.1	49.3	25.3				
BLSe 6-300	597.7	541.8	517.3	488.6	468.2	442.5	406.0	350.8	258.8	177.6	136.3	111.7	95.0	83.5	75.0	68.4	57.9	29.7				
LSe 100	211.7	191.9	183.2	173.0	165.8	156.7	143.8	124.2	91.7	62.9	48.3	39.6	33.6	29.6	26.6	24.2	20.5	10.5				
LSe 150	314.4	285.0	272.1	257.0	246.3	232.8	213.6	184.5	136.1	93.4	71.7	58.8	50.0	43.9	39.5	36.0	30.5	15.6				
LSe 200	415.1	376.2	359.3	339.3	325.1	307.3	282.0	243.6	179.7	123.3	94.7	77.6	65.9	58.0	52.1	47.5	40.2	20.6				
LSe 250	518.8	470.3	449.1	424.1	406.4	384.1	352.5	304.5	224.6	154.2	118.3	97.0	82.4	72.5	65.1	59.3	50.3	25.8				
LSe 300	622.6	564.4	538.9	509.0	487.7	461.0	423.0	365.4	269.6	185.0	142.0	116.4	98.9	87.0	78.2	71.2	60.3	30.9				
LSe 350	726.4	658.4	628.7	593.8	569.0	537.8	493.5	426.3	314.5	215.8	165.7	135.8	115.4	101.5	91.2	83.1	70.4	36.1				
LSe 400	830.1	752.5	718.5	678.6	650.3	614.6	564.0	487.2	359.4	246.6	189.3	155.2	131.9	116.0	104.2	94.9	80.4	41.2				
LSe 450	933.9	846.5	806.3	763.4	731.6	691.5	634.4	548.1	404.4	277.5	213.0	174.6	148.4	130.5	117.2	106.8	90.5	46.4				
LSe 500	1036.6	949.1	908.2	866.0	834.2	794.1	737.0	641.7	497.8	364.9	281.9	228.4	196.6	176.6	160.6	146.6	126.6	66.4				
LSe 600	1245.9	1158.4	1118.2	1075.3	1043.5	1003.6	946.5	851.2	697.8	554.9	461.9	408.4	376.6	356.6	340.6	320.6	290.6	140.6				
LSe 700	1455.2	1367.7	1327.5	1284.6	1252.8	1212.9	1155.8	1060.5	907.0	754.1	641.1	577.6	545.6	525.6	505.6	485.6	465.6	445.6				
LSe 800	1664.5	1577.0	1536.8	1493.9	1462.1	1422.2	1365.1	1270.0	1116.5	963.0	849.5	786.0	754.0	734.0	714.0	694.0	674.0	654.0				
LSe 900	1873.8	1786.3	1746.1	1703.2	1671.4	1631.5	1574.4	1479.3	1325.8	1172.3	1058.0	944.5	871.0	817.5	774.0	731.5	699.0	666.5				
LSe 1000	2083.1	1995.6	1955.4	1912.5	1879.6	1846.7	1803.8	1760.9	1617.4	1463.9	1310.4	1196.9	1103.4	1029.9	966.4	913.9	871.4	828.9				
LSe 1100	2292.4	2204.9	2164.7	2121.8	2088.9	2056.0	2013.1	1970.2	1826.7	1673.2	1519.7	1406.2	1312.7	1239.2	1186.7	1144.2	1101.7	1059.2				
LSe 1200	2499.7	2412.2	2372.0	2329.1	2296.2	2263.3	2220.4	2177.5	2034.0	1880.5	1727.0	1613.5	1520.0	1446.5	1394.0	1351.5	1309.0	1266.5				
LSe 1300	2707.0	2619.5	2579.3	2536.4	2503.5	2470.6	2427.7	2384.8	2241.3	2087.8	1934.3	1820.8	1727.3	1653.8	1601.3	1558.8	1516.3	1473.8				
LSe 1400	2914.3	2826.8	2786.6	2743.7	2710.8	2677.9	2635.0	2592.1	2448.6	2295.1	2141.6	2028.1	1934.6	1860.1	1807.6	1765.1	1722.6	1680.1				
LSe 1500	3121.6	3034.1	3000.0	2957.1	2924.2	2891.3	2848.4	2805.5	2662.0	2508.5	2355.0	2241.5	2148.0	2073.5	2021.0	1978.5	1936.0	1893.5				
LSe 1600	3328.9	3241.4	3210.2	3167.3	3134.4	3101.5	3058.6	3015.7	2872.2	2718.7	2565.2	2451.7	2358.2	2283.7	2231.2	2188.7	2146.2	2103.7				
LSe 1700	3536.2	3448.7	3420.5	3377.6	3344.7	3311.8	3268.9	3226.0	3082.5	2929.0	2775.5	2662.0	2568.5	2494.0	2441.5	2399.0	2356.5	2314.0				
LSe 1800	3743.5	3656.0	3630.8	3587.9	3555.0	3522.1	3479.2	3436.3	3292.8	3139.3	2985.8	2872.3	2778.8	2704.3	2651.8	2609.3	2566.8	2524.3				
LSe 1900	3950.8	3863.3	3840.0	3797.1	3764.2	3731.3	3688.4	3645.5	3502.0	3348.5	3195.0	3081.5	2988.0	2913.5	2861.0	2818.5	2776.0	2733.5				
LSe 2000	4158.1	4070.6	4050.3	4007.4	3974.5	3941.6	3898.7	3855.8	3712.3	3558.8	3405.3	3291.8	3198.3	3123.8	3071.3	3028.8	2986.3	2943.8				