

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

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

Flat, Pasted Plate Design

- Excellent high rate performance
- Long life with maximum reliability
- Deep discharge capability (>1000 cycles)
- Stable float charge characteristics
- Space saving footprint
- Ideal for substation loads

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
- Flame arresting vent caps
- No-Ox or similar grease



LSe - Lead Selenium Flat Pasted Plate Cell

- 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

- 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

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.



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

SPECIFICATIONS

Type	Nominal Voltage	Capacity*	ri mOhm	Isc kA	Dimensions (in.)			Weight (lbs.)		Electrolyte		No. of Terminals
					Length	Width	Height	Filled	Dry	Weight	Volume	
BLSe 12-50	12	51	14.75	0.83	10.7	8.1	15.4	91.1	70.1	19.8	2.0	2
BLSe 12-100	12	102	11.56	1.05	15.0	8.1	15.4	135.8	100.8	35.3	3.4	2
BLSe 6-100	6	102	5.78	1.05	10.7	8.1	15.1	85.8	57.1	28.7	2.8	2
BLSe 6-150	6	152	3.16	1.92	10.7	8.1	15.1	95.5	69.2	26.5	2.6	2
BLSe 6-200	6	203	2.37	2.56	15.0	8.1	15.1	127.6	89.3	39.7	3.9	2
BLSe 6-250	6	249	1.90	3.2	15.0	8.1	15.1	137.5	103.0	35.3	3.4	2
BLSe 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 - EU	2	104	1.26	1.60	4.1	8.1	16.5	32.2	21.4	11.0	1.1	2
LSe 150 - EU	2	154	0.86	2.30	4.1	8.1	16.5	36.6	26.2	11.0	1.0	2
LSe 200 - EU	2	203	0.66	3.00	4.9	8.1	16.5	45.0	31.9	13.2	1.2	2
LSe 250 - EU	2	254	0.54	3.70	4.9	8.1	16.5	48.7	36.8	11.0	1.1	2
LSe 300 - EU	2	305	0.46	4.40	5.7	8.1	16.5	57.3	42.7	15.4	1.4	2
LSe 350 - EU	2	356	0.4	5.10	7.4	8.1	16.5	31.8	49.2	19.8	2.0	2
LSe 400 - EU	2	406	0.35	5.80	7.4	8.1	16.5	70.1	54.0	19.8	1.9	2
LSe 450 - EU	2	457	0.32	6.50	7.4	8.1	16.5	77.2	59.1	17.6	1.7	2
LSe 500 - EU	2	503	0.53	3.80	5.7	8.1	28.6	100.3	70.5	28.6	2.9	2
LSe 600 - EU	2	603	0.43	4.75	5.7	8.1	28.6	108.9	80.0	28.6	2.9	2
LSe 700 - EU	2	704	0.36	5.69	7.5	8.3	28.6	137.3	105.2	37.5	3.5	4
LSe 800 - EU	2	804	0.31	6.62	7.5	8.3	28.6	145.7	110.2	35.3	3.4	4
LSe 900 - EU	2	905	0.27	7.56	9.2	8.3	28.6	169.1	123.2	46.2	4.4	4
LSe 1000 - EU	2	1006	0.24	8.50	9.2	8.3	28.6	178.1	132.7	46.2	4.4	4
LSe 1100 - EU	2	1106	0.21	9.43	10.8	8.3	28.6	201.7	145.7	55.1	5.3	4
LSe 1200 - EU	2	1207	0.19	10.37	10.8	8.3	28.6	210.3	155.2	55.1	5.3	4
LSe 1300 - EU	2	1281	0.18	11.30	10.8	8.3	28.6	218.7	164.7	55.1	5.2	4
LSe 1400 - EU	2	1366	0.16	12.24	10.8	8.3	28.6	227.5	174.2	52.9	5.2	4
LSe 1500 - EU	2	1508	0.15	13.18	14.5	8.6	27.6	264.5	194.0	70.5	6.8	6
LSe 1600 - EU	2	1609	0.14	14.11	14.5	8.6	27.6	273.2	203.5	70.5	6.7	6
LSe 1700 - EU	2	1692	0.13	15.05	14.5	8.6	27.6	281.8	213.0	68.3	6.7	6
LSe 1800 - EU	2	1810	0.12	15.98	17.7	8.6	27.6	319.5	229.1	90.4	8.8	6
LSe 1900 - EU	2	1911	0.11	16.92	17.7	8.6	27.6	327.6	238.6	89.0	8.6	6
LSe 2000 - EU	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

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	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	920	480	462.5	439	425.5	406.5	379.5	335.5	251	170.7	131	106.8	90.4	78.5	69.8	62.9	53	26.3
LSe 600	624	576	555	526.8	510.6	487.8	455.4	402.6	301.2	204.8	157.2	128.1	108.5	94.2	83.7	75.4	63.5	31.5
LSe 700	728	672	647.5	614.6	595.7	569.1	531.3	469.7	351.4	238.9	183.4	149.5	126.6	109.9	97.7	88	74.1	36.8
LSe 800	832	768	740	702.4	680.8	650.4	607.2	536.8	401.6	273	209.6	170.8	144.6	125.6	111.6	100.6	84.7	42
LSe 900	936	864	832.5	790.2	765.9	731.7	683.1	603.9	451.8	307.2	235.8	192.2	162.7	141.3	125.6	113.1	95.3	47.3
LSe 1000	1040	960	925	878	851	813	759	671	502	341.3	262	213.5	180.8	157	139.5	125.7	105.9	52.5
LSe 1100	1144	1056	1017.5	965.8	936.1	894.3	834.9	738	552	375.4	288.2	234.9	198.9	172.7	153.5	138.3	116.5	57.8
LSe 1200	1248	1152	1110	1053.6	1021.2	975.6	910.8	805.2	602.4	409.6	314.4	256.2	217	188.4	167.4	150.8	127.1	63
LSe 1300	1325	1223	1178.5	1118.6	1084.2	1035.8	967	854.9	639.5	434.8	333.8	272	230.3	200	177.7	160.1	134.9	66.9
LSe 1400	1412.3	1303.7	1256.2	1192.3	1155.7	1104.1	1030.7	911.2	681.7	463.5	355.8	289.9	245.5	213.2	189.4	170.7	143.8	71.3
LSe 1500	1560	1440	1387.5	1317	1276.5	1219.5	1138.5	1006.5	753	512	393	320.3	271.2	235.5	209.3	188.6	158.9	78.8
LSe 1600	1664	1536	1480	1404.8	1361.6	1300.8	1214.4	1073.6	803.2	546.1	419.2	341.6	289.3	251.2	223.2	201.1	169.4	84
LSe 1700	1750.3	1615.7	1556.8	1477.7	1432.2	1368.3	1277.4	1129.3	844.9	574.4	440.9	359.3	304.3	264.2	234.8	211.6	178.2	88.4
LSe 1800	1872	1728	1665	1580.4	1531.8	1463.4	1366.2	1207.8	903.6	614.3	471.6	384.3	325.4	282.6	251.1	226.3	190.6	94.5
LSe 1900	1976	1824	1757.5	1668.2	1616.9	1544.7	1442.1	1274.9	953.8	648.5	497.8	405.7	343.5	298.3	265.1	238.8	201.2	99.8
LSe 2000	2069.6	1910.4	1840.8	1747.2	1693.5	1617.9	1510.4	1335.3	999	679.2	521.4	424.9	359.8	312.4	277.6	250.1	210.7	104.5

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	727	600.3	568.3	517.8	493.2	463.2	423.8	364.3	265.3	175.8	135.8	110.3	95.7	84.7	76	68.4	51	25.5
LSe 600	936	768	740	702.4	680.8	650.4	607.2	536.8	401.6	273	209.6	170.8	144.6	125.6	111.6	100.6	84.7	42
LSe 700	1048	936	892.5	837.5	808.5	774.5	734.5	654.5	504.5	334.5	254.5	204.5	174.5	154.5	134.5	114.5	94.5	44.5
LSe 800	683.2	640.4	621.2	594.8	579.2	557.2	524.4	469.2	360.8	252.5	196.4	160.6	137.1	119.9	107.1	96.7	81.6	40.8
LSe 900	768.6	720.5	698.9	669.2	651.6	626.9	590	527.9	405.9	284.1	221	180.6	154.3	134.9	120.5	108.8	91.8	45.9
LSe 1000	854	800.5	776.5	743.5	724	696.5	655.5	586.5	451	315.7	245.5	200.7	171.4	149.9	133.9	120.9	102	51
LSe 1100	939.4	880.6	854.2	817.9	796.4	766.2	721.1	645.2	496.1	347.2	270.1	220.8	188.5	164.9	147.4	132.9	112.1	56.1
LSe 1200	1024.8	960.6	931.8	892.2	868.8	835.8	786.6	703.8	541.2	378.8	294.6	240.8	205.7	179.9	160.7	145	122.3	61.2
LSe 1300	1088	1019.8	989.3	947.2	922.4	887.3	835.1	747.2	574.6	402.1	312.8	255.7	218.4	191	170.6	154	129.9	65
LSe 1400	1159.7	1087.1	1054.5	1009.7	983.2	945.8	890.2	796.5	612.5	428.7	333.4	272.5	232.8	203.6	181.9	164.1	138.4	69.3
LSe 1500	1281	1200.8	1164.8	1115.3	1086	1044.8	983.3	879.8	676.5	473.5	368.3	301	257.2	224.9	200.9	181.3	152.9	76.5
LSe 1600	1366.4	1280.8	1242.4	1189.6	1158.4	1114.4	1048.8	938.4	721.6	505	392.8	321.1	274.1	239.9	214.3	193.4	163.1	81.6
LSe 1700	1437.3	1347.2	1306.8	1251.3	1218.5	1172.2	1103.2	987.1	759	531.2	413.2	337.8	288.5	252.3	225.4	203.4	171.6	85.8
LSe 1800	1537.2	1440.9	1397.7	1338.3	1303.2	1253.7	1179.9	1055.7	811.8	568.2	441.9	361.2	308.5	269.9	241.1	217.5	183.5	91.8
LSe 1900	1622.6	1521	1475.4	1412.7	1375.6	1323.4	1245.5	1116.4	856.9	599.7	466.5	381.3	325.7	284.9	254.4	226.9	193.7	96.9
LSe 2000	1699.5	1593	1545.2	1479.6	1440.8	1386	1304.4	1167.1	897.5	628.1	488.5	399.4	341.1	298.4	266.5	240.5	202.9	101.5

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	408.4	384.3	373.4	358.3	349.3	336.6	317.4	284.8	220.4	155.3	121.1	99.3	84.8	74.2	66.3	59.9	50.6	25.4	
LSe 600	490.1	461.2	448.1	430	419.2	403.9	380.9	341.8	264.5	186.3	145.3	119.2	101.8	89.1	79.5	71.9	60.7	30.4	
LSe 700	571.8	538	522.8	501.6	489	471.2	444.4	398.7	308.6	217.4	169.5	139.1	118.8	103.9	92.8	83.9	70.8	35.5	
LSe 800	653.4	614.9	597.4	573.3	558.9	538.6	507.8	455.7	352.6	248.4	193.8	158.9	135.7	118.7	106.1	95.9	80.9	40.6	
LSe 900	735.1	691.7	672.1	644.9	628.7	605.9	571.3	512.6	396.7	279.5	218	178.8	152.7	133.6	119.3	107.9	91	45.6	
LSe 1000	816.8	768.6	746.8	716.6	698.6	673.2	634.8	569.6	440.8	310.5	242.2	198.7	169.7	148.4	132.6	119.9	101.2	50.7	
LSe 1100	898.5	845.5	821.5	788.3	768.5	740.5	698.3	626.6	484.9	341.6	266.4	218.6	186.7	163.3	145.8	131.9	111.3	55.8	
LSe 1200	980.2	922.3	896.2	859.9	838.3	807.8	761.8	683.5	529	372.6	290.6	238.4	203.6	178.1	159.1	143.9	121.4	60.8	
LSe 1300	1040.6	979.2	951.4	912.9	890	857.7	808.7	725.7	561.6	395.6	308.6	253.1	216.2	189.1	168.9	152.7	128.9	64.6	
LSe 1400	1109.2	1043.8	1014.2	973.1	948.7	914.2	862.1	773.5	598.6	421.7	328.9	269.8	230.4	201.6	180	162.8	137.4	68.9	
LSe 1500	1225.2	1152.9	1120.2	1074.9	1047.9	1009.8	952.2	854.4	661.2	465.8	363.3	298	254.5	222.7	198.9	179.8	151.7	76.1	
LSe 1600	1306.9	1229.8	1194.9	1146.6	1117.8	1077.1	1015.7	911.4	705.3	496.8	387.5	317.9	271.5	237.5	212.1	191.8	161.9	81.1	
LSe 1700	1374.7	1293.6	1256.9	1206	1175.7	1133	1068.4	958.6	741.9	522.6	407.6	334.4	285.6	249.8	223.1	201.8	170.3	85.3	
LSe 1800	1470.2	1383.5	1344.2	1289.9	1257.5	1211.8	1142.6	1025.3	793.4	558.9	436	357.6	305.4	267.2	238.6	215.8	182.1	91.3	
LSe 1900	1551.9	1460.3	1418.9	1361.5	1327.3	1279.1	1206.1	1082.2	837.5	590	460.2	377.5	322.4	282	251.9	227.8	192.2	96.3	
LSe 2000	1625.4	1529.5	1486.1	1426	1390.2	1339.7	1263.3	1133.5	877.2	617.9	482	395.4	337.7	295.4	263.8	238.6	201.3	100.9	

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	7.6
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	334	320.5	314	304.5	298.5	290	276	251	200	145	114.5	94.9	81.4	71.4	63.9	58	49	24.8
LSe 600	400.8	384.6	376.8	365.4	358.2	348	331.2	301.2	240	174	137.4	113.8	97.6	85.7	76.7	69.6	58.8	29.7
LSe 700	467.6	448.7	439.6	426.3	417.9	406	386.4	351.4	280	203	160.3	132.8	113.9	100	89.5	81.2	68.6	34.7
LSe 800	534.4	512.8	502.4	487.2	477.6	464	441.6	401.6	320	232	183.2	151.8	130.2	114.2	102.2	92.8	78.4	39.6
LSe 900	601.2	576.9	565.2	548.1	537.3	522	496.8	451.8	360	261	206.1	170.8	146.5	128.5	115	104.4	88.2	44.6
LSe 1000	668	641	628	609	597	580	552	502	400	290	229	189.7	162.7	142.8	127.8	116	98	49.5
LSe 1100	734.8	705.1	690.8	669.9	656.7	638	607.2	552.2	440	319	251.9	208.7	179	157.1	140.6	127.6	107.8	54.5
LSe 1200	801.6	769.2	753.6	730.8	716.4	696	662.4	602.4	480	348	274.8	227.7	195.3	171.4	153.4	139.2	117.6	59.4
LSe 1300	851	816.6	800.1	775.9	760.6	738.9	703.2	639.5	509.6	369.5	291.7	241.7	207.3	181.9	162.8	147.8	124.9	63.1
LSe 1400	907.1	870.5	852.8	827	810.7	787.6	749.6	681.7	543.2	393.8	311	257.7	221	193.9	173.6	157.5	133.1	67.2
LSe 1500	1002	961.5	942	913.5	895.5	870	828	753	600	435	343.5	284.6	244.1	214.2	191.7	174	147	74.3
LSe 1600	1068.8	1025.6	1004.8	974.4	955.2	928	883.2	803.2	640	464	366.4	303.6	260.4	228.5	204.5	185.6	156.8	79.2
LSe 1700	1124.2	1078.8	1056.9	1024.9	1004.8	976.1	929	844.9	673.2	488.1	385.4	319.3	273.9	240.3	215.1	195.2	164.9	83.3
LSe 1800	1202.4	1153.8	1130.4	1096.2	1074.6	1044	993.6	903.6	720	522	412.2	341.5	292.9	257	230.1	208.8	176.4	89.1
LSe 1900	1269.2	1217.9	1193.2	1157.1	1134.3	1102	1048.8	953.8	760	551	435.1	360.5	309.2	271.3	242.8	220.4	186.2	94.1
LSe 2000	1329.3	1275.6	1249.7	1211.9	1188	1154.2	1098.5	999	796	577.1	455.7	377.6	323.8	284.2	254.3	230.8	195	98.5

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	95.8	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	1917.3	1553.4	1438.1	1308.5	1244.2	1164.8	1058.1	898.3	618.3	400.3	294.5	228.5	189.5	161.5	143.5	127.5	108.5	56.6
LSe 600	2591.3	2081.4	1924.1	1754.5	1664.2	1558.1	1424.9	1224.9	824.9	534.9	394.9	304.9	244.9	204.9	184.9	164.9	144.9	76.6
LSe 700	3265.3	2611.4	2404.1	2184.5	2074.2	1944.9	1784.9	1534.9	1034.9	664.9	474.9	364.9	294.9	244.9	214.9	194.9	174.9	94.6
LSe 800	3939.3	3111.4	2854.1	2584.5	2454.2	2304.9	2114.9	1834.9	1234.9	804.9	574.9	444.9	354.9	284.9	234.9	204.9	184.9	104.6
LSe 900	4613.3	3683.4	3374.1	3044.5	2884.2	2704.9	2484.9	2164.9	1464.9	974.9	694.9	534.9	414.9	324.9	264.9	224.9	204.9	124.6
LSe 1000	5287.3	4211.4	3854.1	3484.5	3284.2	3064.9	2804.9	2444.9	1644.9	1084.9	774.9	594.9	454.9	354.9	284.9	234.9	214.9	144.6
LSe 1100	5961.3	4783.4	4374.1	3944.5	3704.2	3454.9	3154.9	2744.9	1844.9	1224.9	874.9	664.9	514.9	394.9	314.9	254.9	224.9	164.6
LSe 1200	6635.3	5311.4	4854.1	4384.5	4114.2	3834.9	3484.9	3034.9	2034.9	1354.9	964.9	734.9	564.9	434.9	344.9	284.9	254.9	184.6
LSe 1300	7309.3	5831.4	5324.1	4814.5	4514.2	4204.9	3814.9	3314.9	2214.9	1474.9	1054.9	804.9	614.9	474.9	374.9	304.9	274.9	204.6
LSe 1400	7983.3	6353.4	5794.1	5244.5	4914.2	4564.9	4124.9	3574.9	2424.9	1614.9	1144.9	864.9	654.9	504.9	394.9	314.9	284.9	224.6
LSe 1500	8657.3	6911.4	6304.1	5714.5	5354.2	4974.9	4494.9	3894.9	2614.9	1744.9	1244.9	944.9	714.9	544.9	424.9	334.9	294.9	244.6
LSe 1600	9331.3	7463.4	6804.1	6174.5	5784.2	5374.9	4854.9	4214.9	2814.9	1874.9	1344.9	1014.9	764.9	574.9	444.9	354.9	314.9	264.6
LSe 1700	10005.3	8011.4	7304.1	6634.5	6214.2	5774.9	5214.9	4544.9	3014.9	2014.9	1444.9	1084.9	814.9	614.9	474.9	374.9	334.9	284.6
LSe 1800	10679.3	8563.4	7814.1	7104.5	6664.2	6204.9	5614.9	4914.9	3214.9	2144.9	1544.9	1154.9	864.9	644.9	494.9	384.9	344.9	304.6
LSe 1900	11353.3	9111.4	8314.1	7554.5	7094.2	6614.9	6014.9	5294.9	3414.9	2294.9	1694.9	1264.9	954.9	714.9	544.9	424.9	374.9	324.6
LSe 2000	12027.3	9683.4	8834.1	8034.5	7554.2	7054.9	6434.9	5694.9	3684.9	2494.9	1844.9	1374.9	1034.9	774.9	584.9	454.9	394.9	344.6

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	1373.9	1229.1	1160.3	1078.6	1028.8	962.8	883.9	770.1	624.2	421.6	299.3	235.2	193.5	166.0	145.6	130.3	117.8	59.6	50.5
LSe 600	1728.7	1501.1	1418.7	1315.9	1254.1	1171.5	1068.1	916.5	764.5	544.5	414.5	329.3	262.3	213.3	182.4	164.9	139.4	70.6	
LSe 700	2083.5	1802.7	1710.3	1607.5	1545.7	1463.1	1350.5	1198.9	1028.9	758.9	588.9	458.9	373.9	306.9	255.9	230.8	188.5	159.4	80.7
LSe 800	2388.3	2061.5	1969.1	1856.3	1794.5	1711.9	1599.3	1439.3	1249.3	979.3	769.3	619.3	509.3	424.3	357.3	306.3	255.3	198.3	90.8
LSe 900	2683.1	2316.3	2213.9	2091.1	2029.3	1946.7	1834.1	1674.1	1484.1	1114.1	894.1	724.1	594.1	499.1	414.1	353.1	302.1	251.1	111.0
LSe 1000	2978.0	2551.2	2438.8	2306.0	2244.2	2161.6	2049.0	1889.0	1699.0	1269.0	1019.0	829.0	689.0	574.0	489.0	428.0	377.0	326.0	128.6
LSe 1100	3272.9	2786.1	2663.7	2530.9	2469.1	2386.5	2273.9	2113.9	1923.9	1493.9	1213.9	1003.9	843.9	718.9	613.9	538.9	477.9	426.9	137.0
LSe 1200	3567.8	3030.0	2907.6	2774.8	2713.0	2630.4	2517.8	2357.8	2167.8	1637.8	1357.8	1147.8	967.8	822.8	707.8	612.8	551.8	490.8	147.1
LSe 1300	3862.7	3264.9	3142.5	3009.7	2947.9	2865.3	2752.7	2592.7	2402.7	1872.7	1592.7	1382.7	1192.7	1022.7	887.7	772.7	691.7	630.7	158.6
LSe 1400	4157.6	3509.8	3387.4	3254.6	3192.8	3110.2	3007.6	2847.6	2657.6	2127.6	1847.6	1637.6	1447.6	1277.6	1142.6	1027.6	946.6	885.6	169.8
LSe 1500	4452.5	3754.7	3632.3	3499.5	3437.7	3355.1	3242.5	3082.5	2892.5	2362.5	2082.5	1872.5	1682.5	1512.5	1377.5	1262.5	1181.5	1120.5	181.6
LSe 1600	4747.4	4009.6	3887.2	3754.4	3692.6	3610.0	3507.4	3347.4	3157.4	2627.4	2347.4	2137.4	1947.4	1777.4	1642.4	1527.4	1446.4	1385.4	191.7
LSe 1700	5042.3	4264.5	4142.1	4009.3	3947.5	3864.9	3752.3	3592.3	3402.3	2872.3	2592.3	2382.3	2192.3	2022.3	1907.3	1826.3	1765.3	1704.3	200.0
LSe 1800	5337.2	4519.4	4397.0	4264.2	4202.4	4119.8	4007.2	3847.2	3657.2	3127.2	2847.2	2637.2	2447.2	2277.2	2162.2	2081.2	2020.2	1959.2	
LSe 1900	5632.1	4774.3	4651.9	4519.1	4457.3	4374.7	4262.1	4102.1	3912.1	3382.1	3102.1	2892.1	2702.1	2532.1	2417.1	2336.1	2275.1	2214.1	
LSe 2000	5927.0	5029.2	4906.8	4774.0	4712.2	4629.6	4517.0	4357.0	4167.0	3637.0	3357.0	3147.0	2957.0	2787.0	2672.0	2591.0	2530.0	2469.0	

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	15.5						
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	966.9	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	1244.2	1033.3	984.7	915.9	874.4	822.0	748.6	629.2	453.4	305.2	232.5	191.9	164.6	144.4	129.2	117.0	99.0	50.2						
LSe 600	1593.0	1344.0	1261.7	1178.5	1124.9	1061.4	953.9	800.5	561.1	384.2	279.0	230.3	197.5	173.2	155.0	140.4	118.8	60.3						
LSe 700	1941.9	1641.7	1558.6	1465.1	1401.6	1338.1	1200.5	1000.8	700.8	483.3	335.5	268.7	230.4	202.1	180.9	163.8	138.6	70.3						
LSe 800	2290.7	1941.7	1858.6	1765.1	1691.6	1628.1	1470.5	1240.8	900.8	611.3	422.2	335.5	283.4	245.1	216.9	196.7	166.4	80.4						
LSe 900	2639.6	2241.7	2158.6	2065.1	1991.6	1928.1	1740.5	1480.8	1050.8	722.2	500.7	393.4	331.1	287.8	254.5	228.6	194.1	90.4						
LSe 1000	2988.5	2541.7	2458.6	2365.1	2291.6	2228.1	2010.5	1710.8	1240.8	853.3	590.4	465.0	383.9	329.2	288.7	258.4	234.0	100.4						
LSe 1100	3337.4	2841.7	2758.6	2665.1	2591.6	2528.1	2280.5	1940.8	1390.8	953.3	655.5	511.5	422.2	362.1	317.6	284.2	257.4	110.5						
LSe 1200	3686.3	3141.7	3058.6	2965.1	2891.6	2828.1	2540.5	2160.8	1510.8	1033.3	700.7	558.0	460.6	395.0	346.4	310.0	280.8	120.5						
LSe 1300	4035.2	3441.7	3358.6	3265.1	3191.6	3128.1	2800.5	2360.8	1660.8	1133.3	782.2	629.7	521.3	447.0	392.1	350.9	317.8	136.4						
LSe 1400	4384.1	3741.7	3658.6	3565.1	3491.6	3428.1	3060.5	2560.8	1810.8	1243.3	851.2	683.4	561.0	477.0	416.1	374.4	336.7	146.4						
LSe 1500	4733.0	4041.7	3958.6	3865.1	3791.6	3728.1	3320.5	2760.8	1960.8	1333.3	944.6	744.0	614.2	526.6	461.9	413.4	374.4	160.7						
LSe 1600	5081.9	4341.7	4258.6	4165.1	4091.6	4028.1	3580.5	2960.8	2110.8	1443.3	1011.2	794.0	644.2	546.6	485.9	434.8	393.9	169.1						
LSe 1700	5430.8	4641.7	4558.6	4465.1	4391.6	4328.1	3840.5	3160.8	2260.8	1563.3	1101.2	872.0	702.2	594.6	524.0	473.8	431.1	179.1						
LSe 1800	5779.7	4941.7	4858.6	4765.1	4691.6	4628.1	4080.5	3340.8	2440.8	1663.3	1188.2	937.0	757.2	639.6	569.5	518.4	476.1	188.1						
LSe 1900	6128.6	5241.7	5158.6	5065.1	4991.6	4928.1	4340.5	3580.8	2640.8	1813.3	1261.2	1000.0	810.2	682.6	612.4	561.3	518.1	197.1						
LSe 2000	6477.5	5590.7	5507.6	5414.1	5340.6	5277.1	4640.5	3840.8	2840.8	1963.3	1348.2	1053.0	853.4	715.4	645.2	594.1	543.1	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	808.3	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	1037.8	949.7	911.5	864.6	832.8	790.7	728.6	629.9	460.2	311.6	241.6	198.2	166.0	147.1	133.9	122.6	109.4	51.4						
LSe 600	1245.9	1117.3	1073.5	1022.6	986.0	940.5	868.4	756.7	556.2	374.1	285.9	221.5	190.7	167.7	150.3	136.6	115.7	59.2						
LSe 700	1454.0	1306.8	1258.0	1204.1	1165.5	1119.0	1037.4	906.0	666.3	446.3	338.8	268.5	222.5	195.6	175.4	159.4	134.9	69.0						
LSe 800	1662.1	1495.9	1442.0	1388.1	1344.5	1298.0	1206.4	1056.0	776.3	536.3	408.8	328.5	272.5	242.6	218.4	200.4	182.2	78.9						
LSe 900	1870.2	1689.7	1631.8	1577.9	1534.3	1487.8	1386.2	1215.6	885.5	605.5	458.3	368.0	302.0	267.1	240.4	222.5	204.9	93.3						
LSe 1000	2078.3	1887.8	1825.9	1772.0	1728.4	1681.9	1570.3	1389.7	985.5	675.5	511.3	408.2	332.0	287.1	258.4	237.5	219.1	103.3						
LSe 1100	2286.4	2085.9	2018.0	1964.1	1920.5	1874.0	1752.4	1551.8	1111.3	761.3	587.1	464.0	378.0	323.1	294.4	273.5	255.1	113.3						
LSe 1200	2494.5	2284.0	2211.1	2157.2	2113.6	2067.1	1935.5	1714.9	1244.3	854.3	659.1	526.0	430.0	365.1	336.4	315.5	297.1	123.3						
LSe 1300	2702.6	2482.1	2409.2	2355.3	2311.7	2265.2	2133.6	1913.0	1364.0	934.0	717.0	588.0	488.0	408.0	352.0	316.0	284.0	136.0						
LSe 1400	2910.7	2690.2	2617.3	2563.4	2519.8	2473.3	2341.7	2121.1	1512.0	1081.0	811.0	648.0	532.0	452.0	396.0	348.0	312.0	152.0						
LSe 1500	3118.8	2898.3	2825.4	2771.5	2727.9	2681.4	2549.8	2329.2	1720.1	1289.1	979.1	788.0	648.0	548.0	478.0	422.0	386.0	182.0						
LSe 1600	3326.9	3106.4	3033.5	2979.6	2936.0	2889.5	2757.9	2537.3	1928.2	1497.2	1147.2	916.0	756.0	636.0	556.0	490.0	444.0	202.0						
LSe 1700	3535.0	3314.5	3241.6	3187.7	3144.1	3097.6	2966.0	2745.4	2136.3	1705.3	1315.3	1044.0	864.0	724.0	624.0	558.0	512.0	226.0						
LSe 1800	3743.1	3522.6	3449.7	3395.8	3352.2	3305.7	3174.1	2953.5	2344.4	1913.4	1483.4	1172.0	962.0	802.0	682.0	606.0	560.0	250.0						
LSe 1900	3951.2	3730.7	3657.8	3603.9	3560.3	3513.8	3382.2	3161.6	2552.5	2121.5	1651.5	1300.0	1050.0	870.0	740.0	654.0	608.0	274.0						
LSe 2000	4159.3	3938.8	3865.9	3812.0	3768.4	3721.9	3590.3	3369.7	2760.6	2329.6	1819.6	1428.0	1148.0	948.0	808.0	712.0	666.0	298.0						

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