

EnerSys[®]

Power/Full Solutions



SuperSafe[®]
DDm

Performance Data

Constant Current Discharge Performance Data



Discharge Currents (Amperes) to 1.60Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	513.4	291.0	195.2	160.1	136.8	120.0	71.6	52.3	41.2	34.6	30.1	24.1	20.2	17.5	10.0
2DDm50-13	770.1	436.5	292.8	240.2	205.2	179.9	107.3	78.4	61.8	51.9	45.1	36.2	30.3	26.3	15.0
DDm50-17	1026.8	582.1	390.4	320.3	273.6	239.9	143.1	104.6	82.4	69.2	60.1	48.2	40.4	35.1	20.1
2DDm85-13	998.4	679.1	492.7	414.0	353.5	309.9	184.7	135.7	108.6	91.1	78.7	61.8	50.4	43.0	24.0
2DDm85-15	1164.7	792.3	574.8	483.0	412.4	361.6	215.5	158.3	126.7	106.3	91.8	72.0	58.8	50.2	27.9
DDm85-21	1663.9	1131.9	821.1	690.0	589.1	516.5	307.8	226.2	181.0	151.8	131.1	102.9	84.0	71.7	39.9
DDm85-25	1996.7	1358.2	985.3	828.0	707.0	619.8	369.4	271.4	217.2	182.2	157.3	123.5	100.8	86.0	47.9
DDm85-27	2163.1	1471.4	1067.4	897.1	765.9	671.5	400.2	294.0	235.3	197.3	170.4	133.8	109.2	93.2	51.9
DDm85-33	2662.3	1811.0	1313.8	1104.1	942.6	826.4	492.5	361.9	289.6	242.9	209.8	164.7	134.4	114.7	63.9
DDm100-21	1871.8	1277.8	943.7	801.4	695.3	611.6	366.9	268.5	212.9	178.0	153.7	121.3	100.2	85.8	47.5
DDm100-25	2246.2	1533.4	1132.4	961.7	834.3	734.0	440.3	322.2	255.5	213.6	184.4	145.6	120.2	103.0	57.1
DDm100-27	2433.3	1661.1	1226.8	1041.8	903.9	795.1	476.9	349.0	276.8	231.4	199.8	157.7	130.2	111.6	61.8
DDm100-33	2994.9	2044.5	1509.9	1282.3	1112.4	978.6	587.0	429.6	340.6	284.8	245.9	194.1	160.3	137.3	76.1
DDm125-25	2844.3	1984.7	1478.0	1248.4	1062.5	929.3	550.2	401.0	318.6	266.5	230.1	181.2	148.8	127.4	71.5
DDm125-27	3081.3	2150.1	1601.2	1352.5	1151.0	1006.7	596.1	434.4	345.2	288.7	249.3	196.3	161.2	138.0	77.4
DDm125-33	3792.4	2646.3	1970.7	1664.6	1416.7	1239.1	733.6	534.7	424.8	355.3	306.8	241.6	198.4	169.8	95.3

Discharge Currents (Amperes) to 1.65Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	465.7	277.3	193.4	160.1	136.8	120.0	71.6	52.3	41.2	34.6	30.1	24.1	20.2	17.5	10.0
2DDm50-13	698.5	415.9	290.0	240.2	205.2	179.9	107.3	78.4	61.8	51.9	45.1	36.2	30.3	26.3	15.0
DDm50-17	931.3	554.5	386.7	320.3	273.6	239.9	143.1	104.6	82.4	69.2	60.1	48.2	40.4	35.1	20.1
2DDm85-13	890.2	628.3	470.9	401.1	349.7	309.9	184.7	135.7	108.6	91.1	78.7	61.8	50.4	43.0	24.0
2DDm85-15	1038.6	733.0	549.3	468.0	408.0	361.6	215.5	158.3	126.7	106.3	91.8	72.0	58.8	50.2	27.9
DDm85-21	1483.7	1047.1	784.8	668.5	582.9	516.5	307.8	226.2	181.0	151.8	131.1	102.9	84.0	71.7	39.9
DDm85-25	1780.4	1256.6	941.7	802.2	699.4	619.8	369.4	271.4	217.2	182.2	157.3	123.5	100.8	86.0	47.9
DDm85-27	1928.8	1361.3	1020.2	869.1	757.7	671.5	400.2	294.0	235.3	197.3	170.4	133.8	109.2	93.2	51.9
DDm85-33	2373.9	1675.4	1255.6	1069.6	932.6	826.4	492.5	361.9	289.6	242.9	209.8	164.7	134.4	114.7	63.9
DDm100-21	1692.6	1187.0	900.3	773.0	677.3	603.6	366.9	268.5	212.9	178.0	153.7	121.3	100.2	85.8	47.5
DDm100-25	2031.1	1424.4	1080.3	927.6	812.7	724.3	440.3	322.2	255.5	213.6	184.4	145.6	120.2	103.0	57.1
DDm100-27	2200.4	1543.1	1170.4	1004.9	880.4	784.7	476.9	349.0	276.8	231.4	199.8	157.7	130.2	111.6	61.8
DDm100-33	2708.2	1899.2	1440.5	1236.8	1083.6	965.7	587.0	429.6	340.6	284.8	245.9	194.1	160.3	137.3	76.1
DDm125-25	2547.8	1839.8	1404.0	1204.9	1057.3	929.3	550.2	401.0	318.6	266.5	230.1	181.2	148.8	127.4	71.5
DDm125-27	2760.1	1993.2	1521.0	1305.3	1145.4	1006.7	596.1	434.4	345.2	288.7	249.3	196.3	161.2	138.0	77.4
DDm125-33	3397.1	2453.1	1872.0	1606.5	1409.8	1239.1	733.6	534.7	424.8	355.3	306.8	241.6	198.4	169.8	95.3

Discharge Currents (Amperes) to 1.67Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	445.7	270.3	191.0	160.1	136.8	120.0	71.6	52.3	41.2	34.6	30.1	24.1	20.2	17.5	10.0
2DDm50-13	668.6	405.4	286.4	240.2	205.2	179.9	107.3	78.4	61.8	51.9	45.1	36.2	30.3	26.3	15.0
DDm50-17	891.4	540.6	381.9	320.3	273.6	239.9	143.1	104.6	82.4	69.2	60.1	48.2	40.4	35.1	20.1
2DDm85-13	847.0	607.0	460.0	394.0	345.0	307.0	185.0	136.0	109.0	91.1	78.7	61.8	50.4	43.0	24.0
2DDm85-15	988.0	708.0	537.0	460.0	402.0	358.0	216.0	158.0	127.0	106.0	91.8	72.0	58.8	50.2	27.9
DDm85-21	1411.0	1011.0	767.0	657.0	575.0	511.0	308.0	226.0	181.0	152.0	131.0	103.0	84.0	71.7	39.9
DDm85-25	1694.0	1214.0	920.0	788.0	690.0	614.0	369.0	271.0	217.0	182.0	157.0	124.0	101.0	86.0	47.9
DDm85-27	1835.0	1315.0	997.0	854.0	747.0	665.0	400.0	294.0	235.0	197.0	170.0	134.0	109.0	93.2	51.9
DDm85-33	2258.0	1618.0	1227.0	1051.0	920.0	818.0	493.0	362.0	290.0	243.0	210.0	165.0	134.0	115.0	63.9
DDm100-21	1618.0	1149.0	879.0	759.0	667.0	596.0	367.0	269.0	213.0	178.0	154.0	121.0	100.0	85.8	47.5
DDm100-25	1942.0	1378.0	1055.0	911.0	801.0	715.0	440.0	322.0	256.0	214.0	184.0	146.0	120.0	103.0	57.1
DDm100-27	2104.0	1493.0	1143.0	987.0	867.0	775.0	477.0	349.0	277.0	231.0	200.0	158.0	130.0	112.0	61.8
DDm100-33	2589.0	1838.0	1407.0	1215.0	1068.0	953.0	587.0	430.0	341.0	285.0	246.0	194.0	160.0	137.0	76.1
DDm125-25	2425.0	1779.0	1369.0	1181.0	1040.0	929.0	550.0	401.0	319.0	267.0	230.0	181.0	149.0	127.0	71.5
DDm125-27	2627.0	1927.0	1483.0	1280.0	1126.0	1006.0	596.0	434.0	345.0	289.0	249.0	196.0	161.0	138.0	77.4
DDm125-33	3233.0	2371.0	1826.0	1575.0	1386.0	1239.0	734.0	535.0	425.0	355.0	307.0	242.0	198.0	170.0	95.3

Discharge Currents (Amperes) to 1.70Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	415.2	258.2	186.6	157.4	136.6	120.0	71.6	52.3	41.2	34.6	30.1	24.1	20.2	17.5	10.0
2DDm50-13	622.9	387.4	280.0	236.1	204.9	179.9	107.3	78.4	61.8	51.9	45.1	36.2	30.3	26.3	15.0
DDm50-17	830.5	516.5	373.3	314.8	273.2	239.9	143.1	104.6	82.4	69.2	60.1	48.2	40.4	35.1	20.1
2DDm85-13	782.0	573.0	441.0	382.0	336.0	300.0	185.0	136.0	109.0	91.1	78.7	61.8	50.4	43.0	24.0
2DDm85-15	913.0	669.0	514.0	445.0	392.0	350.0	216.0	158.0	127.0	106.0	91.8	72.0	58.8	50.2	27.9
DDm85-21	1304.0	955.0	735.0	636.0	560.0	500.0	308.0	226.0	181.0	152.0	131.0	103.0	84.0	71.7	39.9
DDm85-25	1564.0	1147.0	882.0	764.0	672.0	600.0	369.0	271.0	217.0	182.0	157.0	124.0	101.0	86.0	47.9
DDm85-27	1695.0	1242.0	955.0	827.0	728.0	650.0	400.0	294.0	235.0	197.0	170.0	134.0	109.0	93.2	51.9
DDm85-33	2086.0	1529.0	1176.0	1018.0	896.0	801.0	493.0	362.0	290.0	243.0	210.0	165.0	134.0	115.0	63.9
DDm100-21	1502.0	1089.0	844.0	735.0	650.0	583.0	364.0	269.0	213.0	178.0	154.0	121.0	100.0	85.8	47.5
DDm100-25	1803.0	1307.0	1013.0	882.0	780.0	699.0	437.0	322.0	256.0	214.0	184.0	146.0	120.0	103.0	57.1
DDm100-27	1953.0	1416.0	1097.0	955.0	845.0	757.0	474.0	349.0	277.0	231.0	200.0	158.0	130.0	112.0	61.8
DDm100-33	2404.0	1742.0	1350.0	1176.0	1039.0	932.0	583.0	430.0	341.0	285.0	246.0	194.0	160.0	137.0	76.1
DDm125-25	2241.0	1683.0	1311.0	1140.0	1009.0	904.0	550.0	401.0	319.0	267.0	230.0	181.0	149.0	127.0	71.5
DDm125-27	2428.0	1823.0	1421.0	1235.0	1093.0	980.0	596.0	434.0	345.0	289.0	249.0	196.0	161.0	138.0	77.4
DDm125-33	2988.0	2244.0	1748.0	1520.0	1345.0	1206.0	734.0	535.0	425.0	355.0	307.0	242.0	198.0	170.0	95.3

Constant Current Discharge Performance Data



Discharge Currents (Amperes) to 1.75Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	360.9	235.5	176.4	150.7	131.7	117.2	71.6	52.3	41.2	34.6	30.1	24.1	20.2	17.5	10.0
2DDm50-13	541.4	353.3	264.6	226.0	197.5	175.8	107.3	78.4	61.8	51.9	45.1	36.2	30.3	26.3	15.0
DDm50-17	721.9	471.1	352.8	301.3	263.4	234.4	143.1	104.6	82.4	69.2	60.1	48.2	40.4	35.1	20.1
2DDm85-13	674.0	514.0	403.0	355.0	316.0	285.0	181.0	135.0	109.0	91.1	78.7	61.8	50.4	43.0	24.0
2DDm85-15	786.0	600.0	470.0	414.0	369.0	333.0	211.0	157.0	127.0	106.0	91.8	72.0	58.8	50.2	27.9
DDm85-21	1123.0	857.0	672.0	591.0	527.0	475.0	301.0	225.0	181.0	152.0	131.0	103.0	84.0	71.7	39.9
DDm85-25	1348.0	1028.0	806.0	709.0	632.0	570.0	362.0	269.0	217.0	182.0	157.0	124.0	101.0	86.0	47.9
DDm85-27	1460.0	1114.0	873.0	768.0	685.0	618.0	392.0	292.0	235.0	197.0	170.0	134.0	109.0	93.2	51.9
DDm85-33	1797.0	1371.0	1075.0	945.0	843.0	761.0	482.0	359.0	289.0	243.0	210.0	165.0	134.0	115.0	63.9
DDm100-21	1306.0	985.0	776.0	683.0	611.0	553.0	353.0	263.0	210.0	177.0	153.0	121.0	100.0	85.8	47.5
DDm100-25	1568.0	1182.0	931.0	820.0	733.0	663.0	424.0	315.0	252.0	212.0	184.0	145.0	120.0	103.0	57.1
DDm100-27	1698.0	1280.0	1008.0	888.0	794.0	719.0	459.0	341.0	273.0	230.0	199.0	158.0	130.0	112.0	61.8
DDm100-33	2090.0	1576.0	1241.0	1093.0	978.0	885.0	565.0	420.0	336.0	283.0	245.0	194.0	160.0	137.0	76.1
DDm125-25	1936.0	1513.0	1201.0	1056.0	943.0	852.0	545.0	401.0	319.0	267.0	230.0	181.0	149.0	127.0	71.5
DDm125-27	2098.0	1639.0	1301.0	1144.0	1021.0	923.0	590.0	434.0	345.0	289.0	249.0	196.0	161.0	138.0	77.4
DDm125-33	2582.0	2017.0	1601.0	1408.0	1257.0	1136.0	727.0	535.0	425.0	355.0	307.0	242.0	198.0	170.0	95.3

Discharge Currents (Amperes) to 1.78Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	325.6	220.8	167.8	144.9	127.5	113.9	71.1	52.3	41.2	34.6	30.1	24.1	20.2	17.5	10.0
2DDm50-13	488.4	331.2	251.7	217.4	191.3	170.9	106.7	78.4	61.8	51.9	45.1	36.2	30.3	26.3	15.0
DDm50-17	651.2	441.6	335.7	289.9	255.0	227.8	142.2	104.6	82.4	69.2	60.1	48.2	40.4	35.1	20.1
2DDm85-13	608.0	477.0	379.0	335.0	300.0	273.0	176.0	132.0	107.0	90.1	78.1	61.5	50.3	43.0	24.0
2DDm85-15	709.0	556.0	442.0	390.0	350.0	318.0	206.0	154.0	125.0	105.0	91.1	71.8	58.7	50.2	27.9
DDm85-21	1013.0	795.0	631.0	558.0	501.0	454.0	294.0	221.0	178.0	150.0	130.0	103.0	83.9	71.7	39.9
DDm85-25	1216.0	954.0	757.0	669.0	601.0	545.0	352.0	265.0	214.0	180.0	156.0	123.0	101.0	86.0	47.9
DDm85-27	1317.0	1033.0	820.0	725.0	651.0	591.0	382.0	287.0	232.0	195.0	169.0	133.0	109.0	93.2	51.9
DDm85-33	1621.0	1272.0	1009.0	892.0	801.0	727.0	470.0	353.0	285.0	240.0	208.0	164.0	134.0	115.0	63.9
DDm100-21	1187.0	919.0	730.0	646.0	582.0	529.0	344.0	257.0	206.0	174.0	150.0	119.0	98.8	84.8	47.3
DDm100-25	1424.0	1103.0	877.0	776.0	698.0	635.0	413.0	308.0	248.0	208.0	181.0	143.0	119.0	102.0	56.7
DDm100-27	1543.0	1195.0	950.0	840.0	756.0	688.0	447.0	334.0	268.0	226.0	196.0	155.0	128.0	110.0	61.4
DDm100-33	1899.0	1471.0	1169.0	1034.0	930.0	846.0	550.0	411.0	330.0	278.0	241.0	191.0	158.0	136.0	75.6
DDm125-25	1754.0	1404.0	1127.0	997.0	894.0	812.0	528.0	396.0	319.0	267.0	230.0	181.0	149.0	127.0	71.5
DDm125-27	1901.0	1521.0	1221.0	1080.0	969.0	879.0	572.0	429.0	345.0	289.0	249.0	196.0	161.0	138.0	77.4
DDm125-33	2339.0	1872.0	1503.0	1329.0	1192.0	1082.0	703.0	528.0	425.0	355.0	307.0	242.0	198.0	170.0	95.3

Discharge Currents (Amperes) to 1.80Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	301.8	210.4	161.1	140.1	124.0	111.1	69.9	52.0	41.2	34.6	30.1	24.1	20.2	17.5	10.0
2DDm50-13	452.7	315.6	241.7	210.2	185.9	166.7	104.9	78.0	61.8	51.9	45.1	36.2	30.3	26.3	15.0
DDm50-17	603.6	420.8	322.3	280.2	247.9	222.2	139.9	104.0	82.4	69.2	60.1	48.2	40.4	35.1	20.1
2DDm85-13	564.0	451.0	362.0	320.0	288.0	263.0	172.0	130.0	105.0	89.0	77.2	60.8	49.8	42.6	23.9
2DDm85-15	657.0	526.0	422.0	374.0	336.0	306.0	201.0	152.0	123.0	104.0	90.0	70.9	58.2	49.7	27.9
DDm85-21	939.0	752.0	602.0	534.0	481.0	438.0	287.0	217.0	176.0	148.0	129.0	101.0	83.1	71.0	39.8
DDm85-25	1127.0	902.0	723.0	641.0	577.0	525.0	344.0	260.0	211.0	178.0	154.0	122.0	99.7	85.3	47.7
DDm85-27	1221.0	978.0	783.0	694.0	625.0	569.0	372.0	282.0	229.0	193.0	167.0	132.0	108.0	92.4	51.7
DDm85-33	1503.0	1203.0	964.0	854.0	769.0	700.0	458.0	347.0	281.0	237.0	206.0	162.0	133.0	114.0	63.7
DDm100-21	1107.0	874.0	699.0	620.0	559.0	510.0	337.0	253.0	203.0	171.0	148.0	118.0	97.5	83.7	46.7
DDm100-25	1328.0	1049.0	839.0	744.0	671.0	612.0	404.0	303.0	244.0	205.0	178.0	141.0	117.0	101.0	56.0
DDm100-27	1439.0	1136.0	909.0	806.0	727.0	663.0	438.0	328.0	264.0	222.0	193.0	153.0	127.0	109.0	60.7
DDm100-33	1771.0	1399.0	1119.0	992.0	895.0	816.0	538.0	404.0	325.0	274.0	237.0	188.0	156.0	134.0	74.7
DDm125-25	1633.0	1330.0	1075.0	954.0	858.0	781.0	514.0	387.0	313.0	265.0	230.0	181.0	149.0	127.0	71.5
DDm125-27	1769.0	1440.0	1165.0	1033.0	930.0	847.0	556.0	419.0	340.0	287.0	249.0	196.0	161.0	138.0	77.4
DDm125-33	2178.0	1773.0	1434.0	1272.0	1145.0	1042.0	685.0	516.0	418.0	353.0	307.0	242.0	198.0	170.0	95.3

Discharge Currents (Amperes) to 1.83Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	266.4	193.9	150.1	131.4	117.1	105.7	67.7	50.4	40.3	34.1	29.8	24.0	20.2	17.5	10.0
2DDm50-13	399.5	290.9	225.2	197.1	175.7	158.6	101.5	75.6	60.5	51.1	44.7	36.0	30.3	26.3	15.0
DDm50-17	532.7	387.9	300.2	262.8	234.2	211.4	135.3	100.8	80.6	68.2	59.5	48.0	40.4	35.1	20.1
2DDm85-13	498.0	412.0	335.0	298.0	269.0	246.0	164.0	125.0	102.0	86.5	75.3	59.3	48.8	41.8	23.5
2DDm85-15	581.0	480.0	390.0	347.0	314.0	287.0	191.0	146.0	119.0	101.0	87.8	69.2	56.9	48.8	27.4
DDm85-21	830.0	686.0	558.0	496.0	448.0	410.0	274.0	208.0	170.0	144.0	125.0	98.9	81.3	69.7	39.1
DDm85-25	996.0	823.0	669.0	596.0	538.0	491.0	328.0	250.0	204.0	173.0	151.0	119.0	97.6	83.6	47.0
DDm85-27	1079.0	892.0	725.0	645.0	583.0	532.0	356.0	271.0	221.0	188.0	163.0	129.0	106.0	90.5	50.9
DDm85-33	1328.0	1097.0	892.0	794.0	717.0	655.0	438.0	333.0	272.0	231.0	201.0	158.0	130.0	111.0	62.6
DDm100-21	987.0	804.0	650.0	579.0	523.0	479.0	322.0	244.0	197.0	167.0	145.0	115.0	95.2	81.9	45.6
DDm100-25	1185.0	965.0	780.0	694.0	628.0	574.0	387.0	293.0	237.0	200.0	174.0	138.0	114.0	98.2	54.8
DDm100-27	1284.0	1046.0	845.0	752.0	680.0	622.0	419.0	317.0	256.0	217.0	188.0	149.0	124.0	106.0	59.3
DDm100-33	1580.0	1287.0	1040.0	926.0	837.0	766.0	515.0	390.0	316.0	267.0	232.0	184.0	152.0	131.0	73.0
DDm125-25	1444.0	1214.0	994.0	886.0	800.0	731.0	488.0	371.0	302.0	256.0	223.0	177.0	147.0	126.0	71.5
DDm125-27	1564.0	1315.0	1077.0	960.0	867.0	792.0	528.0	402.0	327.0	277.0	242.0	192.0	159.0	137.0	77.4
DDm125-33	1925.0	1618.0	1325.0	1181.0	1067.0	975.0	650.0	495.0	403.0	342.0	298.0	236.0	196.0	168.0	95.3

Constant Current Discharge Performance Data



Discharge Currents (Amperes) to 1.85Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	243.6	182.3	142.3	124.9	111.7	101.2	65.7	49.0	39.4	33.4	29.2	23.6	19.9	17.3	10.0
2DDm50-13	365.3	273.4	213.4	187.4	167.5	151.8	98.5	73.6	59.1	50.1	43.8	35.3	29.8	25.9	15.0
DDm50-17	487.1	364.6	284.5	249.8	223.4	202.5	131.4	98.1	78.8	66.8	58.4	47.1	39.7	34.6	20.0
2DDm85-13	455.0	385.0	316.0	282.0	255.0	234.0	158.0	121.0	98.8	84.0	73.2	57.8	47.7	41.0	23.1
2DDm85-15	530.0	449.0	368.0	329.0	298.0	273.0	184.0	141.0	115.0	98.0	85.4	67.4	55.7	47.8	26.9
DDm85-21	758.0	641.0	526.0	470.0	426.0	389.0	263.0	202.0	165.0	140.0	122.0	96.3	79.5	68.3	38.5
DDm85-25	909.0	770.0	632.0	564.0	511.0	467.0	316.0	242.0	198.0	168.0	146.0	116.0	95.4	82.0	46.2
DDm85-27	985.0	834.0	684.0	611.0	553.0	506.0	342.0	262.0	214.0	182.0	159.0	125.0	103.0	88.8	50.0
DDm85-33	1212.0	1026.0	842.0	752.0	681.0	623.0	421.0	323.0	264.0	224.0	195.0	154.0	127.0	109.0	61.6
DDm100-21	907.0	756.0	616.0	550.0	498.0	456.0	310.0	237.0	192.0	163.0	142.0	112.0	93.3	80.2	44.8
DDm100-25	1089.0	907.0	739.0	660.0	597.0	547.0	372.0	284.0	231.0	195.0	170.0	135.0	112.0	96.3	53.8
DDm100-27	1179.0	983.0	801.0	715.0	647.0	593.0	403.0	307.0	250.0	212.0	184.0	146.0	121.0	104.0	58.2
DDm100-33	1452.0	1210.0	985.0	880.0	797.0	730.0	496.0	378.0	307.0	260.0	227.0	180.0	149.0	128.0	71.7
DDm125-25	1316.0	1134.0	936.0	838.0	759.0	694.0	467.0	358.0	293.0	249.0	217.0	173.0	143.0	123.0	70.2
DDm125-27	1426.0	1228.0	1014.0	907.0	822.0	752.0	506.0	388.0	317.0	270.0	235.0	187.0	155.0	134.0	76.0
DDm125-33	1755.0	1512.0	1248.0	1117.0	1011.0	925.0	623.0	477.0	390.0	332.0	290.0	230.0	191.0	164.0	93.5

Discharge Currents (Amperes) to 1.88Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	209.0	163.9	129.8	114.4	102.6	93.4	61.8	46.4	37.6	31.9	28.0	22.6	19.1	16.6	9.6
2DDm50-13	313.5	245.9	194.7	171.6	153.9	140.0	92.7	69.6	56.3	47.9	42.0	33.9	28.7	25.0	14.4
DDm50-17	418.0	327.9	259.5	228.8	205.3	186.7	123.6	92.8	75.1	63.9	56.0	45.2	38.2	33.3	19.3
2DDm85-13	390.0	344.0	286.0	257.0	234.0	215.0	147.0	114.0	93.5	79.6	69.4	54.6	45.3	39.0	22.2
2DDm85-15	455.0	402.0	333.0	300.0	273.0	250.0	172.0	133.0	109.0	92.9	81.0	63.7	52.9	45.5	25.8
DDm85-21	650.0	574.0	476.0	429.0	390.0	357.0	245.0	190.0	156.0	133.0	116.0	91.0	75.5	65.1	36.9
DDm85-25	780.0	689.0	572.0	514.0	468.0	429.0	294.0	228.0	187.0	159.0	139.0	109.0	90.6	78.1	44.3
DDm85-27	845.0	746.0	619.0	557.0	506.0	465.0	319.0	247.0	203.0	172.0	150.0	118.0	98.2	84.6	48.0
DDm85-33	1040.0	919.0	762.0	686.0	623.0	572.0	393.0	304.0	249.0	212.0	185.0	146.0	121.0	104.0	59.1
DDm100-21	786.0	680.0	562.0	504.0	458.0	420.0	288.0	222.0	182.0	155.0	135.0	108.0	89.5	77.1	43.2
DDm100-25	943.0	817.0	675.0	605.0	550.0	504.0	346.0	266.0	218.0	186.0	162.0	129.0	107.0	92.5	51.8
DDm100-27	1021.0	885.0	731.0	656.0	596.0	547.0	375.0	289.0	237.0	201.0	176.0	140.0	116.0	100.0	56.1
DDm100-33	1257.0	1089.0	899.0	807.0	733.0	673.0	461.0	355.0	291.0	248.0	217.0	172.0	143.0	123.0	69.1
DDm125-25	1118.0	1010.0	845.0	761.0	692.0	634.0	431.0	334.0	275.0	235.0	206.0	163.0	136.0	118.0	67.3
DDm125-27	1212.0	1094.0	916.0	825.0	749.0	687.0	467.0	362.0	298.0	254.0	223.0	177.0	148.0	128.0	72.9
DDm125-33	1491.0	1346.0	1127.0	1015.0	922.0	846.0	575.0	445.0	366.0	313.0	274.0	218.0	182.0	157.0	89.8

Discharge Currents (Amperes) to 1.90Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	186.8	151.2	120.8	106.9	96.1	87.5	58.5	44.1	35.9	30.7	26.9	21.8	18.4	16.0	9.3
2DDm50-13	280.3	226.8	181.2	160.3	144.2	131.3	87.7	66.1	53.9	46.0	40.4	32.7	27.6	24.1	13.9
DDm50-17	373.7	302.4	241.5	213.7	192.3	175.0	117.0	88.2	71.9	61.3	53.8	43.6	36.8	32.1	18.6
2DDm85-13	348.0	317.0	265.0	239.0	218.0	201.0	139.0	108.0	89.0	76.0	66.3	52.2	43.5	37.5	21.3
2DDm85-15	406.0	370.0	309.0	279.0	255.0	234.0	162.0	126.0	104.0	88.6	77.4	60.9	50.7	43.7	24.9
DDm85-21	581.0	528.0	441.0	399.0	364.0	335.0	232.0	180.0	148.0	127.0	111.0	87.0	72.4	62.5	35.5
DDm85-25	697.0	634.0	529.0	478.0	436.0	402.0	278.0	216.0	178.0	152.0	133.0	104.0	86.9	75.0	42.6
DDm85-27	755.0	687.0	573.0	518.0	473.0	435.0	301.0	234.0	193.0	165.0	144.0	113.0	94.2	81.2	46.2
DDm85-33	929.0	845.0	705.0	638.0	582.0	535.0	371.0	288.0	237.0	203.0	177.0	139.0	116.0	100.0	56.8
DDm100-21	705.0	628.0	524.0	472.0	430.0	396.0	272.0	210.0	173.0	148.0	130.0	103.0	86.1	74.2	41.7
DDm100-25	846.0	754.0	629.0	567.0	516.0	475.0	326.0	252.0	208.0	178.0	156.0	124.0	103.0	89.1	50.0
DDm100-27	917.0	817.0	681.0	614.0	559.0	514.0	354.0	273.0	225.0	192.0	168.0	134.0	112.0	96.5	54.2
DDm100-33	1128.0	1005.0	838.0	756.0	688.0	633.0	435.0	337.0	277.0	237.0	207.0	165.0	138.0	119.0	66.7
DDm125-25	982.0	924.0	781.0	706.0	644.0	592.0	405.0	315.0	260.0	223.0	196.0	156.0	130.0	113.0	64.9
DDm125-27	1063.0	1001.0	846.0	765.0	697.0	641.0	439.0	341.0	282.0	242.0	212.0	168.0	141.0	122.0	70.3
DDm125-33	1309.0	1232.0	1041.0	942.0	858.0	789.0	540.0	420.0	347.0	297.0	261.0	207.0	174.0	150.0	86.5

Discharge Currents (Amperes) to 1.94Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	141.6	124.7	100.9	90.2	81.6	74.6	50.3	38.4	31.7	27.2	24.0	19.5	16.5	14.4	8.4
2DDm50-13	212.3	187.0	151.4	135.2	122.4	111.9	75.4	57.6	47.5	40.8	35.9	29.2	24.8	21.6	12.6
DDm50-17	283.1	249.3	201.9	180.3	163.1	149.3	100.6	76.8	63.4	54.4	47.9	39.0	33.1	28.9	16.8
2DDm85-13	267.0	260.0	219.0	200.0	184.0	170.0	120.0	94.3	78.1	66.9	58.0	46.1	38.6	33.5	19.1
2DDm85-15	311.0	303.0	256.0	233.0	215.0	199.0	140.0	110.0	91.1	78.0	67.6	53.8	45.1	39.0	22.3
DDm85-21	444.0	433.0	366.0	333.0	306.0	284.0	200.0	157.0	130.0	112.0	96.6	76.8	64.4	55.8	31.9
DDm85-25	533.0	519.0	439.0	400.0	368.0	341.0	240.0	189.0	156.0	134.0	116.0	92.1	77.3	66.9	38.3
DDm85-27	578.0	563.0	475.0	433.0	398.0	369.0	260.0	204.0	169.0	145.0	126.0	100.0	83.7	72.5	41.5
DDm85-33	711.0	693.0	585.0	533.0	490.0	454.0	321.0	252.0	208.0	178.0	155.0	123.0	103.0	89.2	51.1
DDm100-21	545.0	521.0	441.0	402.0	369.0	342.0	238.0	185.0	153.0	131.0	114.0	91.1	76.4	66.1	37.3
DDm100-25	654.0	625.0	530.0	482.0	443.0	410.0	285.0	222.0	183.0	157.0	137.0	109.0	91.7	79.3	44.7
DDm100-27	709.0	677.0	574.0	522.0	480.0	444.0	309.0	240.0	199.0	170.0	148.0	118.0	99.4	85.9	48.5
DDm100-33	873.0	833.0	706.0	643.0	590.0	546.0	380.0	296.0	244.0	209.0	182.0	146.0	122.0	106.0	59.6
DDm125-25	757.0	750.0	642.0	586.0	538.0	498.0	349.0	273.0	227.0	195.0	170.0	137.0	115.0	100.0	58.2
DDm125-27	819.0	813.0	696.0	635.0	583.0	539.0	378.0	296.0	246.0	211.0	184.0	148.0	125.0	109.0	63.0
DDm125-33	1009.0	1000.0	856.0	781.0	718.0	664.0	465.0	364.0	302.0	260.0	227.0	182.0	154.0	134.0	77.5

Constant Power Discharge Performance Data



Constant Power Discharge (Watts per cell) to 1.60Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	817.0	486.0	343.0	288.0	249.0	221.0	137.0	101.0	82.0	69.0	60.0	47.0	40.0	35.0	20.0
2DDm50-13	1226.0	729.0	514.0	432.0	374.0	332.0	206.0	152.0	123.0	104.0	90.0	71.0	60.0	52.0	30.0
DDm50-17	1634.0	972.0	686.0	576.0	499.0	442.0	274.0	202.0	164.0	138.0	120.0	94.0	80.0	70.0	40.0
2DDm85-13	1595.0	1112.0	835.0	716.0	625.0	555.0	347.0	257.0	208.0	176.0	153.0	121.0	100.0	86.0	47.0
2DDm85-15	1861.0	1297.0	974.0	835.0	729.0	648.0	404.0	299.0	243.0	206.0	178.0	141.0	117.0	100.0	55.0
DDm85-21	2658.0	1853.0	1391.0	1193.0	1041.0	925.0	578.0	428.0	347.0	294.0	255.0	201.0	167.0	144.0	79.0
DDm85-25	3189.0	2224.0	1669.0	1431.0	1249.0	1110.0	693.0	513.0	417.0	353.0	305.0	241.0	201.0	172.0	95.0
DDm85-27	3455.0	2409.0	1808.0	1551.0	1354.0	1203.0	751.0	556.0	452.0	382.0	331.0	261.0	217.0	187.0	103.0
DDm85-33	4253.0	2965.0	2226.0	1908.0	1666.0	1481.0	924.0	684.0	556.0	470.0	407.0	321.0	268.0	230.0	126.0
DDm100-21	2988.0	2092.0	1595.0	1379.0	1215.0	1087.0	684.0	508.0	411.0	347.0	300.0	236.0	197.0	170.0	94.0
DDm100-25	3586.0	2511.0	1914.0	1654.0	1458.0	1304.0	821.0	609.0	493.0	416.0	360.0	283.0	236.0	204.0	112.0
DDm100-27	3884.0	2720.0	2074.0	1792.0	1580.0	1413.0	889.0	660.0	534.0	451.0	390.0	307.0	256.0	221.0	122.0
DDm100-33	4781.0	3348.0	2552.0	2206.0	1944.0	1738.0	1094.0	812.0	657.0	555.0	480.0	378.0	315.0	272.0	150.0
DDm125-25	4511.0	3237.0	2490.0	2151.0	1878.0	1667.0	1028.0	761.0	618.0	521.0	450.0	355.0	297.0	255.0	142.0
DDm125-27	4887.0	3507.0	2698.0	2330.0	2035.0	1806.0	1113.0	825.0	669.0	564.0	488.0	384.0	321.0	277.0	154.0
DDm125-33	6015.0	4317.0	3320.0	2868.0	2504.0	2223.0	1370.0	1015.0	823.0	694.0	600.0	473.0	395.0	341.0	189.0

Constant Power Discharge (Watts per cell) to 1.65Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	763.0	471.0	340.0	288.0	249.0	221.0	137.0	101.0	82.0	69.0	60.0	47.0	40.0	35.0	20.02
2DDm50-13	1145.0	706.0	509.0	432.0	374.0	332.0	206.0	152.0	123.0	104.0	90.0	71.0	60.0	52.0	30.0
DDm50-17	1527.0	942.0	679.0	576.0	499.0	442.0	274.0	202.0	164.0	138.0	120.0	94.0	80.0	70.0	40.0
2DDm85-13	1466.0	1054.0	810.0	700.0	618.0	553.0	347.0	257.0	208.0	176.0	153.0	121.0	100.0	86.0	47.0
2DDm85-15	1711.0	1230.0	945.0	817.0	720.0	645.0	404.0	299.0	243.0	206.0	178.0	141.0	117.0	100.0	55.0
DDm85-21	2444.0	1757.0	1350.0	1167.0	1029.0	922.0	578.0	428.0	347.0	294.0	255.0	201.0	167.0	144.0	79.0
DDm85-25	2933.0	2108.0	1620.0	1401.0	1235.0	1107.0	693.0	513.0	417.0	353.0	305.0	241.0	201.0	172.0	95.0
DDm85-27	3177.0	2284.0	1755.0	1517.0	1338.0	1199.0	751.0	556.0	452.0	382.0	331.0	261.0	217.0	187.0	103.0
DDm85-33	3910.0	2811.0	2160.0	1868.0	1647.0	1475.0	924.0	684.0	556.0	470.0	407.0	321.0	268.0	230.0	126.0
DDm100-21	2785.0	1992.0	1547.0	1348.0	1194.0	1074.0	684.0	508.0	411.0	347.0	300.0	236.0	197.0	170.0	94.0
DDm100-25	3342.0	2391.0	1857.0	1617.0	1433.0	1288.0	821.0	609.0	493.0	416.0	360.0	283.0	236.0	204.0	112.0
DDm100-27	3620.0	2590.0	2011.0	1752.0	1553.0	1396.0	889.0	660.0	534.0	451.0	390.0	307.0	256.0	221.0	122.0
DDm100-33	4455.0	3188.0	2476.0	2156.0	1911.0	1718.0	1094.0	812.0	657.0	555.0	480.0	378.0	315.0	272.0	150.0
DDm125-25	4201.0	3076.0	2406.0	2094.0	1856.0	1667.0	1028.0	761.0	618.0	521.0	450.0	355.0	297.0	255.0	142.0
DDm125-27	4551.0	3333.0	2607.0	2269.0	2011.0	1806.0	1113.0	825.0	669.0	564.0	488.0	384.0	321.0	277.0	154.0
DDm125-33	5601.0	4102.0	3209.0	2792.0	2475.0	2223.0	1370.0	1015.0	823.0	694.0	600.0	473.0	395.0	341.0	189.0

Constant Power Discharge (Watts per cell) to 1.67Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	741.0	463.0	337.0	287.0	249.0	221.0	137.0	101.0	82.0	69.0	60.0	47.0	40.0	35.0	20.0
2DDm50-13	1111.0	694.0	506.0	430.0	374.0	332.0	206.0	152.0	123.0	104.0	90.0	71.0	60.0	52.0	30.0
DDm50-17	1482.0	925.0	674.0	574.0	499.0	442.0	274.0	202.0	164.0	138.0	120.0	94.0	80.0	70.0	40.0
2DDm85-13	1414.0	1028.0	797.0	692.0	612.0	549.0	347.0	257.0	208.0	176.0	153.0	121.0	100.0	86.0	47.0
2DDm85-15	1649.0	1200.0	929.0	807.0	714.0	640.0	404.0	299.0	243.0	206.0	178.0	141.0	117.0	100.0	55.0
DDm85-21	2356.0	1714.0	1328.0	1153.0	1020.0	915.0	578.0	428.0	347.0	294.0	255.0	201.0	167.0	144.0	79.0
DDm85-25	2827.0	2056.0	1593.0	1383.0	1224.0	1098.0	693.0	513.0	417.0	353.0	305.0	241.0	201.0	172.0	95.0
DDm85-27	3063.0	2228.0	1726.0	1498.0	1326.0	1189.0	751.0	556.0	452.0	382.0	331.0	261.0	217.0	187.0	103.0
DDm85-33	3770.0	2742.0	2124.0	1844.0	1632.0	1464.0	924.0	684.0	556.0	470.0	407.0	321.0	268.0	230.0	126.0
DDm100-21	2699.0	1947.0	1522.0	1330.0	1183.0	1065.0	684.0	508.0	411.0	347.0	300.0	236.0	197.0	170.0	94.0
DDm100-25	3239.0	2337.0	1827.0	1596.0	1419.0	1278.0	821.0	609.0	493.0	416.0	360.0	283.0	236.0	204.0	112.0
DDm100-27	3509.0	2532.0	1979.0	1729.0	1538.0	1384.0	889.0	660.0	534.0	451.0	390.0	307.0	256.0	221.0	122.0
DDm100-33	4318.0	3116.0	2435.0	2128.0	1892.0	1704.0	1094.0	812.0	657.0	555.0	480.0	378.0	315.0	272.0	150.0
DDm125-25	4042.0	3004.0	2364.0	2065.0	1835.0	1654.0	1028.0	761.0	618.0	521.0	450.0	355.0	297.0	255.0	142.0
DDm125-27	4379.0	3255.0	2561.0	2237.0	1988.0	1792.0	1113.0	825.0	669.0	564.0	488.0	384.0	321.0	277.0	154.0
DDm125-33	5389.0	4006.0	3152.0	2753.0	2447.0	2206.0	1370.0	1015.0	823.0	694.0	600.0	473.0	395.0	341.0	189.0

Constant Power Discharge (Watts per cell) to 1.70Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	706.0	448.0	332.0	284.0	248.0	221.0	137.0	101.0	82.0	69.0	60.0	47.0	40.0	35.0	20.0
2DDm50-13	1059.0	672.0	499.0	425.0	372.0	332.0	206.0	152.0	123.0	104.0	90.0	71.0	60.0	52.0	30.0
DDm50-17	1412.0	896.0	665.0	567.0	496.0	442.0	274.0	202.0	164.0	138.0	120.0	94.0	80.0	70.0	40.0
2DDm85-13	1328.0	986.0	772.0	675.0	601.0	541.0	347.0	257.0	208.0	176.0	153.0	121.0	100.0	86.0	47.0
2DDm85-15	1549.0	1151.0	900.0	788.0	701.0	631.0	404.0	299.0	243.0	206.0	178.0	141.0	117.0	100.0	55.0
DDm85-21	2213.0	1644.0	1286.0	1125.0	1001.0	902.0	578.0	428.0	347.0	294.0	255.0	201.0	167.0	144.0	79.0
DDm85-25	2655.0	1972.0	1543.0	1350.0	1202.0	1082.0	693.0	513.0	417.0	353.0	305.0	241.0	201.0	172.0	95.0
DDm85-27	2876.0	2137.0	1672.0	1463.0	1302.0	1172.0	751.0	556.0	452.0	382.0	331.0	261.0	217.0	187.0	103.0
DDm85-33	3540.0	2630.0	2058.0	1801.0	1602.0	1443.0	924.0	684.0	556.0	470.0	407.0	321.0	268.0	230.0	126.0
DDm100-21	2550.0	1875.0	1478.0	1300.0	1161.0	1049.0	679.0	508.0	411.0	347.0	300.0	236.0	197.0	170.0	94.0
DDm100-25	3060.0	2250.0	1773.0	1560.0	1393.0	1259.0	815.0	609.0	493.0	416.0	360.0	283.0	236.0	204.0	112.0
DDm100-27	3315.0	2437.0	1921.0	1690.0	1509.0	1364.0	883.0	660.0	534.0	451.0	390.0	307.0	256.0	221.0	122.0
DDm100-33	4080.0	3000.0	2364.0	2080.0	1857.0	1679.0	1087.0	812.0	657.0	555.0	480.0	378.0	315.0	272.0	150.0
DDm125-25	3803.0	2889.0	2291.0	2013.0	1796.0	1624.0	1028.0	761.0	618.0	521.0	450.0	355.0	297.0	255.0	142.0
DDm125-27	4120.0	3129.0	2482.0	2180.0	1946.0	1759.0	1113.0	825.0	669.0	564.0	488.0	384.0	321.0	277.0	154.0
DDm125-33	5071.0	3851.0	3054.0	2683.0	2395.0	2165.0	1370.0	1015.0	823.0	694.0	600.0	473.0	395.0	341.0	189.0

Constant Power Discharge Performance Data



Constant Power Discharge (Watts per cell) to 1.75Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	630.0	418.0	319.0	275.0	242.0	217.0	137.0	101.0	82.0	69.0	60.0	47.0	40.0	35.0	20.0
2DDm50-13	945.0	627.0	478.0	412.0	363.0	325.0	206.0	152.0	123.0	104.0	90.0	71.0	60.0	52.0	30.0
DDm50-17	1260.0	836.0	638.0	550.0	484.0	434.0	274.0	202.0	164.0	138.0	120.0	94.0	80.0	70.0	40.0
2DDm85-13	1178.0	907.0	720.0	638.0	573.0	521.0	341.0	255.0	208.0	176.0	153.0	121.0	100.0	86.0	47.0
2DDm85-15	1375.0	1058.0	840.0	744.0	668.0	608.0	397.0	297.0	243.0	206.0	178.0	141.0	117.0	100.0	55.0
DDm85-21	1964.0	1512.0	1200.0	1063.0	955.0	868.0	568.0	425.0	347.0	294.0	255.0	201.0	167.0	144.0	79.0
DDm85-25	2357.0	1814.0	1440.0	1276.0	1146.0	1042.0	681.0	510.0	416.0	353.0	305.0	241.0	201.0	172.0	95.0
DDm85-27	2553.0	1966.0	1561.0	1382.0	1241.0	1129.0	738.0	552.0	451.0	382.0	331.0	261.0	217.0	187.0	103.0
DDm85-33	3142.0	2419.0	1921.0	1701.0	1528.0	1389.0	908.0	680.0	555.0	470.0	407.0	321.0	268.0	230.0	126.0
DDm100-21	2284.0	1738.0	1387.0	1231.0	1108.0	1010.0	665.0	499.0	407.0	344.0	298.0	236.0	197.0	170.0	94.0
DDm100-25	2741.0	2086.0	1664.0	1477.0	1330.0	1212.0	798.0	599.0	488.0	413.0	358.0	283.0	236.0	204.0	112.0
DDm100-27	2969.0	2260.0	1803.0	1600.0	1440.0	1313.0	864.0	648.0	529.0	447.0	388.0	306.0	256.0	221.0	122.0
DDm100-33	3654.0	2782.0	2219.0	1969.0	1773.0	1615.0	1064.0	798.0	651.0	550.0	477.0	377.0	315.0	272.0	150.0
DDm125-25	3377.0	2664.0	2142.0	1898.0	1706.0	1552.0	1015.0	761.0	618.0	521.0	450.0	355.0	297.0	255.0	142.0
DDm125-27	3659.0	2886.0	2321.0	2056.0	1848.0	1682.0	1099.0	825.0	669.0	564.0	488.0	384.0	321.0	277.0	154.0
DDm125-33	4503.0	3553.0	2856.0	2531.0	2274.0	2070.0	1353.0	1015.0	823.0	694.0	600.0	473.0	395.0	341.0	189.0

Constant Power Discharge (Watts per cell) to 1.78Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	579.0	398.0	306.0	267.0	236.0	212.0	136.0	101.0	82.0	69.0	60.0	47.0	40.0	35.0	20.0
2DDm50-13	869.0	596.0	459.0	400.0	354.0	319.0	204.0	152.0	123.0	104.0	90.0	71.0	60.0	52.0	30.0
DDm50-17	1159.0	795.0	613.0	533.0	472.0	425.0	272.0	202.0	164.0	138.0	120.0	94.0	80.0	70.0	40.0
2DDm85-13	1079.0	854.0	685.0	609.0	550.0	502.0	334.0	252.0	206.0	175.0	152.0	120.0	100.0	86.0	47.0
2DDm85-15	1258.0	996.0	800.0	711.0	642.0	586.0	389.0	293.0	240.0	204.0	177.0	140.0	117.0	100.0	55.0
DDm85-21	1798.0	1423.0	1142.0	1015.0	917.0	837.0	556.0	419.0	344.0	291.0	253.0	200.0	167.0	143.0	79.0
DDm85-25	2157.0	1708.0	1371.0	1219.0	1100.0	1005.0	667.0	503.0	412.0	349.0	303.0	240.0	200.0	172.0	95.0
DDm85-27	2337.0	1850.0	1485.0	1320.0	1192.0	1088.0	723.0	545.0	447.0	379.0	329.0	260.0	217.0	187.0	103.0
DDm85-33	2876.0	2277.0	1827.0	1625.0	1467.0	1340.0	889.0	671.0	550.0	466.0	404.0	320.0	267.0	230.0	126.0
DDm100-21	2107.0	1647.0	1324.0	1178.0	1066.0	975.0	651.0	491.0	401.0	340.0	294.0	233.0	195.0	168.0	93.0
DDm100-25	2528.0	1976.0	1589.0	1414.0	1279.0	1170.0	782.0	590.0	482.0	408.0	353.0	279.0	234.0	202.0	112.0
DDm100-27	2739.0	2141.0	1721.0	1531.0	1386.0	1267.0	847.0	639.0	522.0	441.0	383.0	302.0	253.0	219.0	121.0
DDm100-33	3371.0	2635.0	2118.0	1885.0	1705.0	1560.0	1042.0	786.0	642.0	543.0	471.0	372.0	312.0	269.0	149.0
DDm125-25	3114.0	2511.0	2038.0	1813.0	1637.0	1494.0	990.0	750.0	616.0	521.0	450.0	355.0	297.0	255.0	142.0
DDm125-27	3373.0	2720.0	2208.0	1964.0	1773.0	1619.0	1073.0	812.0	668.0	564.0	488.0	384.0	321.0	277.0	154.0
DDm125-33	4152.0	3348.0	2718.0	2417.0	2182.0	1992.0	1320.0	1000.0	822.0	694.0	600.0	473.0	395.0	341.0	189.0

Constant Power Discharge (Watts per cell) to 1.80Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	543.0	383.0	296.0	259.0	231.0	208.0	134.0	100.0	82.0	69.0	60.0	47.0	40.0	35.0	20.0
2DDm50-13	814.0	574.0	444.0	389.0	346.0	312.0	201.0	151.0	123.0	104.0	90.0	71.0	60.0	52.0	30.0
DDm50-17	1085.0	765.0	593.0	519.0	462.0	417.0	268.0	201.0	164.0	138.0	120.0	94.0	80.0	70.0	40.0
2DDm85-13	1012.0	816.0	660.0	588.0	532.0	487.0	327.0	248.0	204.0	173.0	150.0	119.0	99.0	85.0	47.0
2DDm85-15	1181.0	952.0	770.0	686.0	621.0	568.0	381.0	290.0	238.0	202.0	175.0	139.0	116.0	100.0	55.0
DDm85-21	1687.0	1360.0	1101.0	980.0	887.0	812.0	545.0	414.0	340.0	288.0	251.0	199.0	166.0	142.0	79.0
DDm85-25	2025.0	1632.0	1321.0	1176.0	1065.0	974.0	654.0	496.0	408.0	346.0	301.0	238.0	199.0	171.0	94.0
DDm85-27	2193.0	1768.0	1431.0	1274.0	1154.0	1055.0	708.0	538.0	442.0	375.0	326.0	258.0	216.0	185.0	102.0
DDm85-33	2699.0	2176.0	1761.0	1568.0	1420.0	1299.0	871.0	662.0	544.0	462.0	401.0	318.0	265.0	228.0	126.0
DDm100-21	1989.0	1582.0	1278.0	1140.0	1033.0	947.0	640.0	485.0	397.0	336.0	291.0	230.0	193.0	167.0	92.0
DDm100-25	2386.0	1898.0	1534.0	1368.0	1240.0	1136.0	768.0	582.0	476.0	403.0	349.0	276.0	232.0	200.0	111.0
DDm100-27	2585.0	2056.0	1662.0	1481.0	1343.0	1231.0	832.0	631.0	516.0	437.0	378.0	299.0	251.0	216.0	120.0
DDm100-33	3182.0	2531.0	2045.0	1823.0	1653.0	1514.0	1024.0	777.0	635.0	537.0	466.0	368.0	309.0	266.0	148.0
DDm125-25	2938.0	2402.0	1962.0	1750.0	1584.0	1448.0	969.0	738.0	607.0	516.0	449.0	355.0	297.0	255.0	142.0
DDm125-27	3183.0	2602.0	2126.0	1896.0	1716.0	1568.0	1050.0	799.0	658.0	559.0	487.0	384.0	321.0	277.0	154.0
DDm125-33	3918.0	3203.0	2616.0	2333.0	2111.0	1930.0	1292.0	984.0	810.0	688.0	599.0	473.0	395.0	341.0	189.0

Constant Power Discharge (Watts per cell) to 1.83Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	487.0	358.0	279.0	246.0	220.0	200.0	131.0	98.0	80.0	68.0	59.0	47.0	40.0	35.0	20.0
2DDm50-13	731.0	536.0	419.0	369.0	330.0	300.0	196.0	147.0	121.0	102.0	89.0	70.0	60.0	52.0	30.0
DDm50-17	974.0	715.0	559.0	492.0	441.0	400.0	261.0	196.0	161.0	136.0	118.0	94.0	80.0	70.0	40.0
2DDm85-13	909.0	756.0	620.0	554.0	503.0	460.0	314.0	241.0	198.0	169.0	147.0	117.0	98.0	84.0	47.0
2DDm85-15	1061.0	882.0	723.0	647.0	586.0	537.0	367.0	281.0	231.0	197.0	172.0	136.0	114.0	98.0	54.0
DDm85-21	1515.0	1260.0	1033.0	924.0	838.0	767.0	524.0	401.0	331.0	282.0	245.0	195.0	163.0	140.0	78.0
DDm85-25	1818.0	1512.0	1239.0	1109.0	1005.0	921.0	629.0	481.0	397.0	338.0	294.0	234.0	196.0	168.0	93.0
DDm85-27	1970.0	1638.0	1342.0	1201.0	1089.0	998.0	681.0	521.0	430.0	366.0	319.0	253.0	212.0	182.0	101.0
DDm85-33	2425.0	2016.0	1652.0	1478.0	1340.0	1228.0	838.0	642.0	529.0	451.0	392.0	312.0	261.0	224.0	124.0
DDm100-21	1806.0	1478.0	1204.0	1078.0	978.0	898.0	616.0	473.0	388.0	328.0	285.0	226.0	190.0	163.0	91.0
DDm100-25	2167.0	1774.0	1445.0	1293.0	1174.0	1077.0	739.0	568.0	465.0	394.0	342.0	271.0	228.0	196.0	109.0
DDm100-27	2348.0	1922.0	1566.0	1401.0	1272.0	1167.0	801.0	615.0	504.0	427.0	370.0	294.0	246.0	212.0	118.0
DDm100-33	2890.0	2365.0	1927.0	1724.0	1565.0	1436.0	986.0	757.0	620.0	525.0	456.0	361.0	303.0	261.0	145.0
DDm125-25	2636.0	2229.0	1838.0	1647.0	1494.0	1369.0	928.0	714.0	589.0	502.0	437.0	348.0	293.0	253.0	142.0
DDm125-27	2855.0	2414.0	1991.0	1784.0	1618.0	1483.0	1006.0	774.0	638.0	543.0	473.0	377.0	317.0	274.0	154.0
DDm125-33	3514.0	2972.0	2450.0	2195.0	1992.0	1825.0	1238.0	952.0	786.0	669.0	582.0	463.0	390.0	337.0	189.0

Constant Power Discharge Performance Data



Constant Power Discharge (Watts per cell) to 1.85Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	450.0	339.0	267.0	235.0	212.0	192.0	127.0	96.0	79.0	67.0	58.0	46.0	39.0	34.0	20.0
2DDm50-13	675.0	509.0	401.0	353.0	317.0	289.0	191.0	144.0	118.0	100.0	87.0	69.0	59.0	52.0	30.0
DDm50-17	900.0	679.0	534.0	471.0	423.0	385.0	255.0	193.0	158.0	134.0	116.0	92.0	79.0	69.0	40.0
2DDm85-13	839.0	714.0	590.0	530.0	481.0	441.0	304.0	234.0	193.0	165.0	143.0	115.0	96.0	83.0	46.0
2DDm85-15	979.0	833.0	688.0	618.0	561.0	515.0	354.0	274.0	225.0	192.0	167.0	134.0	112.0	96.0	54.0
DDm85-21	1398.0	1191.0	983.0	883.0	802.0	735.0	506.0	391.0	322.0	274.0	239.0	191.0	160.0	138.0	77.0
DDm85-25	1678.0	1429.0	1180.0	1059.0	962.0	883.0	607.0	469.0	386.0	329.0	287.0	229.0	192.0	165.0	92.0
DDm85-27	1817.0	1548.0	1278.0	1147.0	1042.0	956.0	658.0	508.0	419.0	357.0	311.0	248.0	208.0	179.0	100.0
DDm85-33	2237.0	1905.0	1573.0	1412.0	1282.0	1177.0	810.0	625.0	515.0	439.0	383.0	305.0	256.0	220.0	123.0
DDm100-21	1675.0	1404.0	1152.0	1033.0	938.0	863.0	596.0	461.0	379.0	322.0	279.0	222.0	187.0	161.0	89.0
DDm100-25	2009.0	1685.0	1382.0	1239.0	1126.0	1035.0	715.0	553.0	455.0	386.0	335.0	267.0	224.0	193.0	107.0
DDm100-27	2177.0	1825.0	1497.0	1343.0	1220.0	1121.0	774.0	599.0	493.0	418.0	363.0	289.0	243.0	209.0	116.0
DDm100-33	2679.0	2246.0	1843.0	1653.0	1502.0	1380.0	953.0	738.0	606.0	515.0	447.0	356.0	298.0	257.0	143.0
DDm125-25	2428.0	2102.0	1748.0	1570.0	1427.0	1310.0	894.0	694.0	574.0	489.0	426.0	340.0	287.0	248.0	140.0
DDm125-27	2631.0	2278.0	1893.0	1701.0	1546.0	1419.0	969.0	752.0	621.0	530.0	462.0	369.0	311.0	268.0	151.0
DDm125-33	3238.0	2803.0	2330.0	2094.0	1903.0	1746.0	1192.0	925.0	765.0	652.0	568.0	454.0	382.0	330.0	186.0

Constant Power Discharge (Watts per cell) to 1.88Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	393.0	310.0	247.0	219.0	197.0	179.0	120.0	92.0	76.0	64.0	56.0	45.0	38.0	33.0	19.0
2DDm50-13	589.0	464.0	370.0	328.0	295.0	269.0	181.0	138.0	114.0	96.0	84.0	67.0	57.0	50.0	29.0
DDm50-17	785.0	619.0	494.0	437.0	393.0	358.0	241.0	185.0	151.0	129.0	112.0	90.0	76.0	67.0	38.0
2DDm85-13	733.0	649.0	541.0	489.0	446.0	411.0	285.0	223.0	184.0	157.0	137.0	109.0	92.0	79.0	44.0
2DDm85-15	855.0	757.0	631.0	570.0	520.0	480.0	332.0	260.0	215.0	183.0	160.0	128.0	107.0	92.0	52.0
DDm85-21	1222.0	1082.0	902.0	815.0	743.0	685.0	475.0	371.0	307.0	262.0	228.0	182.0	153.0	132.0	74.0
DDm85-25	1466.0	1298.0	1083.0	978.0	892.0	822.0	569.0	445.0	368.0	314.0	274.0	219.0	183.0	158.0	89.0
DDm85-27	1588.0	1406.0	1173.0	1059.0	966.0	891.0	617.0	483.0	399.0	340.0	296.0	237.0	199.0	171.0	96.0
DDm85-33	1955.0	1731.0	1443.0	1303.0	1189.0	1096.0	759.0	594.0	491.0	418.0	365.0	292.0	245.0	211.0	119.0
DDm100-21	1478.0	1283.0	1065.0	960.0	875.0	806.0	558.0	437.0	361.0	307.0	268.0	215.0	180.0	155.0	87.0
DDm100-25	1774.0	1539.0	1278.0	1152.0	1050.0	968.0	670.0	524.0	433.0	369.0	321.0	257.0	216.0	186.0	104.0
DDm100-27	1921.0	1667.0	1385.0	1248.0	1137.0	1048.0	725.0	568.0	469.0	400.0	348.0	279.0	234.0	202.0	113.0
DDm100-33	2365.0	2052.0	1705.0	1535.0	1400.0	1290.0	893.0	699.0	578.0	492.0	429.0	343.0	288.0	248.0	139.0
DDm125-25	2103.0	1901.0	1599.0	1445.0	1318.0	1212.0	833.0	654.0	542.0	464.0	405.0	326.0	275.0	238.0	135.0
DDm125-27	2279.0	2060.0	1733.0	1566.0	1428.0	1313.0	902.0	709.0	587.0	502.0	439.0	353.0	298.0	257.0	146.0
DDm125-33	2804.0	2535.0	2132.0	1927.0	1757.0	1615.0	1111.0	872.0	723.0	618.0	540.0	435.0	366.0	317.0	180.0

Constant Power Discharge (Watts per cell) to 1.90Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	354.0	288.0	232.0	206.0	186.0	170.0	115.0	89.0	73.0	62.0	54.0	43.0	37.0	32.0	19.0
2DDm50-13	532.0	433.0	348.0	309.0	278.0	254.0	172.0	133.0	109.0	93.0	81.0	65.0	55.0	48.0	28.0
DDm50-17	709.0	577.0	463.0	412.0	371.0	339.0	229.0	177.0	146.0	124.0	107.0	87.0	74.0	64.0	37.0
2DDm85-13	661.0	603.0	506.0	458.0	420.0	388.0	270.0	213.0	176.0	150.0	131.0	105.0	88.0	76.0	43.0
2DDm85-15	771.0	704.0	590.0	535.0	490.0	453.0	315.0	248.0	205.0	175.0	153.0	123.0	103.0	89.0	50.0
DDm85-21	1101.0	1006.0	843.0	764.0	700.0	647.0	450.0	355.0	293.0	251.0	219.0	176.0	147.0	127.0	72.0
DDm85-25	1322.0	1207.0	1011.0	917.0	841.0	777.0	540.0	426.0	352.0	301.0	262.0	211.0	177.0	152.0	86.0
DDm85-27	1432.0	1307.0	1095.0	993.0	911.0	841.0	585.0	461.0	382.0	326.0	284.0	228.0	191.0	165.0	93.0
DDm85-33	1762.0	1609.0	1348.0	1223.0	1121.0	1035.0	720.0	568.0	470.0	401.0	350.0	281.0	236.0	203.0	115.0
DDm100-21	1339.0	1197.0	1002.0	906.0	829.0	765.0	530.0	417.0	345.0	295.0	257.0	207.0	174.0	150.0	84.0
DDm100-25	1607.0	1436.0	1203.0	1087.0	995.0	918.0	636.0	500.0	414.0	353.0	308.0	248.0	209.0	180.0	101.0
DDm100-27	1740.0	1556.0	1303.0	1178.0	1078.0	995.0	689.0	542.0	449.0	383.0	334.0	269.0	226.0	195.0	109.0
DDm100-33	2142.0	1915.0	1603.0	1450.0	1327.0	1224.0	848.0	667.0	552.0	471.0	411.0	331.0	278.0	240.0	134.0
DDm125-25	1865.0	1758.0	1491.0	1353.0	1237.0	1139.0	788.0	622.0	516.0	442.0	386.0	313.0	264.0	228.0	131.0
DDm125-27	2020.0	1905.0	1616.0	1466.0	1340.0	1234.0	853.0	674.0	559.0	479.0	419.0	339.0	286.0	247.0	142.0
DDm125-33	2486.0	2345.0	1989.0	1804.0	1649.0	1519.0	1050.0	830.0	688.0	589.0	515.0	417.0	352.0	304.0	174.0

Constant Power Discharge (Watts per cell) to 1.94Vpc at 20°C

	1 Min	15 Min	30 Min	40 Min	50 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
2DDm50-09	274.0	243.0	197.0	177.0	161.0	147.0	101.0	78.0	64.0	55.0	48.0	39.0	34.0	29.0	17.0
2DDm50-13	411.0	364.0	296.0	265.0	241.0	221.0	151.0	118.0	97.0	82.0	72.0	59.0	50.0	44.0	26.0
DDm50-17	548.0	485.0	394.0	353.0	321.0	295.0	201.0	157.0	129.0	110.0	96.0	79.0	67.0	58.0	34.0
2DDm85-13	516.0	504.0	428.0	391.0	361.0	335.0	238.0	188.0	156.0	133.0	117.0	94.0	79.0	68.0	39.0
2DDm85-15	603.0	589.0	499.0	456.0	421.0	390.0	278.0	219.0	182.0	156.0	136.0	110.0	92.0	79.0	46.0
DDm85-21	861.0	841.0	713.0	652.0	601.0	558.0	397.0	314.0	260.0	222.0	195.0	157.0	132.0	113.0	65.0
DDm85-25	1032.0	1009.0	856.0	782.0	721.0	669.0	476.0	376.0	312.0	267.0	234.0	189.0	158.0	136.0	78.0
DDm85-27	1119.0	1093.0	927.0	847.0	781.0	725.0	516.0	408.0	338.0	289.0	253.0	204.0	171.0	147.0	85.0
DDm85-33	1376.0	1345.0	1141.0	1043.0	961.0	892.0	635.0	502.0	416.0	356.0	312.0	251.0	211.0	181.0	104.0
DDm100-21	1057.0	1011.0	860.0	786.0	724.0	671.0	473.0	372.0	307.0	262.0	230.0	185.0	156.0	134.0	75.9
DDm100-25	1267.0	1214.0	1032.0	943.0	868.0	805.0	568.0	446.0	368.0	314.0	275.0	222.0	187.0	161.0	91.1
DDm100-27	1374.0	1315.0	1118.0	1021.0	941.0	872.0	615.0	483.0	399.0	341.0	298.0	241.0	202.0	174.0	98.7
DDm100-33	1690.0	1618.0	1376.0	1257.0	1158.0	1073.0	757.0	595.0	491.0	419.0	367.0	296.0	249.0	215.0	122.0
DDm125-25	1466.0	1456.0	1250.0	1142.0	1052.0	975.0	692.0	547.0	454.0	388.0	342.0	279.0	235.0	204.0	119.0
DDm125-27	1589.0	1578.0	1354.0	1237.0	1140.0	1056.0	750.0	592.0	491.0	421.0	370.0	302.0	255.0	221.0	128.0
DDm125-33	1955.0	1942.0	1667.0	1523.0	1403.0	1300.0	923.0	729.0	605.0	518.0	456.0	371.0	314.0	271.0	158.0



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