

NSB 100FT RED Battery®

Discharge tables @ 20°C (68°F)



Current / A

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	272.3	399.3	542.1	681.6	753.7	793.7	855.9	854.7	854.7
5	0.08	232.4	287.7	342.1	390.5	414.7	428.1	450.6	455.5	455.5
10	0.17	182.2	206.6	229.1	248.5	258.2	263.6	273.5	277.5	277.5
15	0.25	151.2	165.1	177.7	188.5	193.9	197.0	202.9	206.0	206.0
20	0.33	130.1	139.1	147.1	154.0	157.6	159.6	163.7	166.1	166.8
30	0.50	102.8	107.4	111.5	115.0	116.9	118.0	120.3	122.0	122.9
45	0.75	79.3	81.4	83.4	85.1	86.1	86.7	88.0	89.0	89.8
60	1	65.0	66.2	67.3	68.4	69.0	69.3	70.2	70.9	71.6
120	2	38.6	38.9	39.3	39.6	39.8	39.9	40.2	40.4	40.7
180	3	27.8	28.0	28.2	28.4	28.5	28.6	28.7	28.8	28.9
240	4	21.8	22.0	22.2	22.3	22.4	22.4	22.5	22.6	22.6
300	5	18.0	18.2	18.3	18.5	18.5	18.6	18.6	18.6	18.7
480	8	11.9	12.0	12.2	12.3	12.3	12.3	12.4	12.4	12.4
600	10	9.7	9.9	10.0	10.1	10.1	10.1	10.1	10.1	10.1
1200	20	5.1	5.2	5.3	5.3	5.4	5.4	5.4	5.4	5.4

Capacity / Ah

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	9.1	13.3	18.1	22.7	25.1	26.5	28.5	28.5	28.5
5	0.08	19.4	24.0	28.5	32.5	34.6	35.7	37.6	38.0	38.0
10	0.17	30.4	34.4	38.2	41.4	43.0	43.9	45.6	46.2	46.2
15	0.25	37.8	41.3	44.4	47.1	48.5	49.2	50.7	51.5	51.5
20	0.33	43.4	46.4	49.0	51.3	52.5	53.2	54.6	55.4	55.6
30	0.50	51.4	53.7	55.7	57.5	58.4	59.0	60.2	61.0	61.5
45	0.75	59.4	61.1	62.5	63.8	64.6	65.0	66.0	66.8	67.4
60	1	65.0	66.2	67.3	68.4	69.0	69.3	70.2	70.9	71.6
120	2	77.2	77.9	78.5	79.2	79.5	79.8	80.3	80.9	81.4
180	3	83.4	84.1	84.7	85.2	85.5	85.7	86.1	86.5	86.8
240	4	87.3	88.1	88.7	89.3	89.6	89.7	90.1	90.4	90.5
300	5	90.1	91.0	91.7	92.3	92.6	92.8	93.1	93.2	93.3
480	8	95.2	96.4	97.3	98.1	98.4	98.6	98.9	98.9	98.9
600	10	97.3	98.6	99.7	100.5	100.9	101.1	101.3	101.3	101.3
1200	20	102.9	104.4	105.7	106.7	107.1	107.3	107.7	107.7	107.7

Power / WPC

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	479.1	659.2	849.6	1025.4	1112.3	1159.0	1227.0	1216.5	1216.5
5	0.08	424.3	507.0	585.2	652.5	685.0	702.7	731.1	734.7	734.7
10	0.17	340.6	378.2	412.1	440.6	454.5	462.2	475.7	480.3	480.3
15	0.25	286.1	307.9	327.2	343.5	351.5	356.0	364.5	368.5	368.5
20	0.33	248.2	262.4	274.9	285.5	290.8	293.8	299.8	303.2	303.9
30	0.50	198.2	205.5	211.9	217.5	220.3	222.1	225.6	228.0	229.3
45	0.75	154.1	157.6	160.8	163.5	165.0	166.0	168.0	169.6	170.8
60	1	127.1	129.1	130.9	132.6	133.5	134.1	135.4	136.6	137.6
120	2	76.4	77.0	77.5	78.0	78.3	78.5	79.0	79.4	79.8
180	3	55.3	55.7	56.0	56.3	56.5	56.6	56.8	57.0	57.2
240	4	43.6	43.9	44.2	44.4	44.5	44.6	44.8	44.8	44.9
300	5	36.1	36.4	36.6	36.8	36.9	37.0	37.1	37.1	37.1
480	8	23.9	24.2	24.4	24.5	24.6	24.6	24.7	24.7	24.7
600	10	19.6	19.8	20.0	20.1	20.2	20.2	20.3	20.2	20.2
1200	20	10.4	10.5	10.6	10.7	10.7	10.8	10.8	10.8	10.8

NSB 100FT RED Battery®

Discharge tables @ 25°C (77°F)



Current / A

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	302.2	443.1	601.6	756.4	836.4	880.7	949.7	948.5	948.5
5	0.08	253.0	313.3	372.5	425.2	451.5	466.1	490.6	495.9	495.9
10	0.17	195.7	222.0	246.2	267.0	277.4	283.3	293.9	298.1	298.1
15	0.25	161.2	176.1	189.5	201.0	206.8	210.1	216.4	219.7	219.8
20	0.33	138.1	147.6	156.1	163.5	167.2	169.4	173.7	176.3	177.1
30	0.50	108.4	113.2	117.5	121.3	123.2	124.4	126.9	128.6	129.6
45	0.75	83.0	85.3	87.3	89.2	90.2	90.8	92.1	93.3	94.1
60	1	67.8	69.0	70.2	71.3	71.9	72.3	73.2	74.0	74.6
120	2	39.9	40.2	40.6	40.9	41.1	41.2	41.5	41.8	42.0
180	3	28.6	28.8	29.0	29.2	29.3	29.4	29.5	29.6	29.7
240	4	22.4	22.5	22.7	22.9	22.9	23.0	23.1	23.1	23.2
300	5	18.4	18.6	18.7	18.9	18.9	18.9	19.0	19.0	19.0
480	8	12.1	12.2	12.4	12.5	12.5	12.5	12.6	12.6	12.6
600	10	9.9	10.0	10.1	10.2	10.2	10.2	10.3	10.3	10.3
1200	20	5.2	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4

Capacity / Ah

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	10.1	14.8	20.1	25.2	27.9	29.4	31.7	31.6	31.6
5	0.08	21.1	26.1	31.0	35.4	37.6	38.8	40.9	41.3	41.3
10	0.17	32.6	37.0	41.0	44.5	46.2	47.2	49.0	49.7	49.7
15	0.25	40.3	44.0	47.4	50.3	51.7	52.5	54.1	54.9	54.9
20	0.33	46.0	49.2	52.0	54.5	55.7	56.5	57.9	58.8	59.0
30	0.50	54.2	56.6	58.8	60.6	61.6	62.2	63.4	64.3	64.8
45	0.75	62.3	64.0	65.5	66.9	67.6	68.1	69.1	69.9	70.6
60	1	67.8	69.0	70.2	71.3	71.9	72.3	73.2	74.0	74.6
120	2	79.8	80.5	81.1	81.8	82.2	82.4	83.0	83.5	84.0
180	3	85.7	86.4	87.0	87.6	87.9	88.1	88.5	88.9	89.2
240	4	89.4	90.2	90.9	91.4	91.7	91.9	92.3	92.5	92.7
300	5	92.0	92.9	93.7	94.3	94.6	94.7	95.1	95.2	95.2
480	8	96.7	97.9	98.9	99.7	100.0	100.2	100.5	100.5	100.5
600	10	98.6	100.0	101.1	101.9	102.3	102.5	102.7	102.7	102.7
1200	20	103.6	105.2	106.5	107.5	107.9	108.1	108.5	108.5	108.5

Power / WPC

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	531.7	731.6	942.8	1137.8	1234.3	1286.2	1361.6	1350.0	1350.0
5	0.08	462.0	552.0	637.2	710.4	745.9	765.1	796.0	799.9	799.9
10	0.17	365.9	406.4	442.8	473.4	488.3	496.6	511.1	516.1	516.1
15	0.25	305.2	328.4	349.1	366.4	374.9	379.8	388.8	393.1	393.1
20	0.33	263.4	278.4	291.8	303.0	308.6	311.9	318.2	321.8	322.5
30	0.50	208.9	216.6	223.4	229.3	232.3	234.1	237.8	240.4	241.8
45	0.75	161.5	165.1	168.4	171.3	172.9	173.9	176.0	177.7	179.0
60	1	132.6	134.6	136.6	138.3	139.3	139.9	141.3	142.5	143.5
120	2	78.9	79.5	80.1	80.6	80.9	81.1	81.6	82.0	82.4
180	3	56.9	57.2	57.6	57.9	58.1	58.2	58.4	58.6	58.8
240	4	44.7	45.0	45.3	45.5	45.6	45.7	45.8	45.9	46.0
300	5	36.8	37.1	37.4	37.6	37.7	37.7	37.8	37.9	37.9
480	8	24.3	24.6	24.8	24.9	25.0	25.0	25.1	25.1	25.1
600	10	19.8	20.1	20.3	20.4	20.5	20.5	20.5	20.5	20.5
1200	20	10.5	10.6	10.7	10.8	10.8	10.8	10.9	10.9	10.9

NSB 155FT RED Battery®

Discharge tables @ 20°C (68°F)



Current / A

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	366.1	416.1	466.9	517.3	546.7	565.7	610.8	651.1	685.2
5	0.08	327.9	362.1	395.5	427.4	445.3	456.7	482.8	504.8	522.1
10	0.17	264.8	286.4	306.8	325.7	336.2	342.7	357.2	368.9	377.6
15	0.25	223.1	238.5	252.8	265.8	272.9	277.3	286.9	294.5	299.8
20	0.33	193.9	205.5	216.3	226.0	231.2	234.4	241.4	246.8	250.4
30	0.50	155.1	162.7	169.6	175.7	178.9	180.9	185.1	188.3	190.3
45	0.75	120.8	125.4	129.6	133.3	135.2	136.3	138.7	140.4	141.5
60	1	99.6	102.8	105.6	108.1	109.3	110.1	111.6	112.7	113.3
120	2	59.9	61.0	61.9	62.7	63.1	63.4	63.8	64.1	64.2
180	3	43.4	43.9	44.3	44.7	44.8	44.9	45.1	45.2	45.2
240	4	34.1	34.4	34.7	34.8	34.9	35.0	35.1	35.1	35.1
300	5	28.2	28.4	28.5	28.6	28.7	28.7	28.8	28.8	28.7
480	8	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.8	18.8
600	10	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
1200	20	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1

Capacity / Ah

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	12.2	13.9	15.6	17.2	18.2	18.9	20.4	21.7	22.8
5	0.08	27.3	30.2	33.0	35.6	37.1	38.1	40.2	42.1	43.5
10	0.17	44.1	47.7	51.1	54.3	56.0	57.1	59.5	61.5	62.9
15	0.25	55.8	59.6	63.2	66.5	68.2	69.3	71.7	73.6	75.0
20	0.33	64.6	68.5	72.1	75.3	77.1	78.1	80.5	82.3	83.5
30	0.50	77.5	81.3	84.8	87.8	89.5	90.5	92.6	94.1	95.1
45	0.75	90.6	94.1	97.2	99.9	101.4	102.2	104.0	105.3	106.1
60	1	99.6	102.8	105.6	108.1	109.3	110.1	111.6	112.7	113.3
120	2	119.8	122.0	123.9	125.5	126.3	126.7	127.6	128.2	128.4
180	3	130.1	131.6	133.0	134.0	134.5	134.8	135.4	135.7	135.7
240	4	136.5	137.7	138.6	139.4	139.7	139.9	140.3	140.4	140.4
300	5	141.1	141.9	142.6	143.2	143.4	143.6	143.8	143.8	143.8
480	8	149.2	149.7	150.0	150.3	150.4	150.4	150.4	150.4	150.4
600	10	152.5	152.9	153.1	153.3	153.4	153.4	153.4	153.4	153.4
1200	20	160.9	161.4	161.9	162.3	162.5	162.6	162.8	162.9	162.9

Power / WPC

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	547.4	639.3	732.7	824.0	876.2	909.3	984.6	1046.1	1090.7
5	0.08	551.9	613.0	671.9	726.8	757.0	775.8	817.1	849.3	871.1
10	0.17	475.5	512.5	547.0	578.2	594.9	605.1	627.2	643.7	654.2
15	0.25	412.6	438.1	461.6	482.4	493.4	500.1	514.4	524.8	531.1
20	0.33	364.7	383.7	401.0	416.2	424.1	428.9	439.0	446.3	450.6
30	0.50	297.7	309.7	320.4	329.6	334.4	337.3	343.3	347.5	349.8
45	0.75	235.5	242.6	248.9	254.2	257.0	258.6	261.9	264.2	265.3
60	1	195.9	200.7	204.9	208.4	210.2	211.2	213.3	214.7	215.4
120	2	119.4	121.0	122.4	123.6	124.1	124.4	125.1	125.5	125.6
180	3	86.8	87.6	88.3	88.8	89.1	89.3	89.6	89.7	89.7
240	4	68.5	69.0	69.4	69.7	69.8	69.9	70.1	70.2	70.2
300	5	56.7	57.0	57.3	57.5	57.6	57.6	57.7	57.8	57.8
480	8	37.5	37.7	37.8	37.9	38.0	38.0	38.0	38.1	38.1
600	10	30.7	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.1
1200	20	16.2	16.3	16.4	16.4	16.4	16.5	16.5	16.5	16.5

NSB 155FT RED Battery®

Discharge tables @ 25°C (77°F)



Current / A

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	406.3	461.8	518.2	574.0	606.6	627.8	677.8	722.5	760.4
5	0.08	357.0	394.2	430.6	465.3	484.9	497.3	525.7	549.7	568.5
10	0.17	284.5	307.7	329.7	350.0	361.2	368.2	383.8	396.4	405.7
15	0.25	238.0	254.3	269.6	283.5	291.1	295.7	306.0	314.1	319.8
20	0.33	205.8	218.1	229.6	239.9	245.4	248.8	256.2	261.9	265.8
30	0.50	163.5	171.5	178.8	185.2	188.6	190.7	195.2	198.5	200.6
45	0.75	126.5	131.4	135.8	139.6	141.6	142.8	145.3	147.1	148.2
60	1	103.9	107.3	110.2	112.7	114.0	114.8	116.4	117.6	118.2
120	2	61.9	63.0	64.0	64.8	65.2	65.4	65.9	66.2	66.3
180	3	44.6	45.1	45.5	45.9	46.1	46.2	46.4	46.5	46.5
240	4	35.0	35.2	35.5	35.7	35.8	35.8	35.9	36.0	35.9
300	5	28.8	29.0	29.1	29.2	29.3	29.3	29.4	29.4	29.4
480	8	19.0	19.0	19.1	19.1	19.1	19.1	19.1	19.1	19.1
600	10	15.5	15.5	15.5	15.5	15.6	15.6	15.6	15.5	15.5
1200	20	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2

Capacity / Ah

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	13.5	15.4	17.3	19.1	20.2	20.9	22.6	24.1	25.3
5	0.08	29.7	32.9	35.9	38.8	40.4	41.4	43.8	45.8	47.4
10	0.17	47.4	51.3	54.9	58.3	60.2	61.4	64.0	66.1	67.6
15	0.25	59.5	63.6	67.4	70.9	72.8	73.9	76.5	78.5	79.9
20	0.33	68.6	72.7	76.5	80.0	81.8	82.9	85.4	87.3	88.6
30	0.50	81.8	85.8	89.4	92.6	94.3	95.4	97.6	99.2	100.3
45	0.75	94.9	98.6	101.8	104.7	106.2	107.1	109.0	110.3	111.1
60	1	103.9	107.3	110.2	112.7	114.0	114.8	116.4	117.6	118.2
120	2	123.8	126.0	128.0	129.6	130.4	130.9	131.8	132.4	132.6
180	3	133.7	135.3	136.6	137.7	138.3	138.6	139.1	139.4	139.5
240	4	139.8	141.0	142.0	142.7	143.1	143.3	143.7	143.8	143.8
300	5	144.1	145.0	145.7	146.2	146.5	146.6	146.8	146.9	146.9
480	8	151.7	152.1	152.5	152.7	152.8	152.8	152.9	152.8	152.8
600	10	154.7	155.0	155.3	155.4	155.5	155.5	155.6	155.5	155.5
1200	20	162.1	162.6	163.1	163.5	163.7	163.8	164.0	164.1	164.1

Power / WPC

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	607.4	709.5	813.1	914.4	972.3	1009.1	1092.6	1160.9	1210.3
5	0.08	600.9	667.4	731.6	791.3	824.2	844.7	889.7	924.7	948.4
10	0.17	510.9	550.7	587.7	621.2	639.2	650.1	673.8	691.6	702.9
15	0.25	440.0	467.3	492.3	514.5	526.3	533.4	548.6	559.7	566.5
20	0.33	387.1	407.3	425.6	441.7	450.1	455.2	466.0	473.7	478.2
30	0.50	313.8	326.5	337.8	347.5	352.6	355.6	361.9	366.3	368.7
45	0.75	246.7	254.1	260.7	266.3	269.2	270.9	274.4	276.8	278.0
60	1	204.4	209.3	213.7	217.3	219.2	220.3	222.5	224.0	224.7
120	2	123.4	125.0	126.5	127.6	128.2	128.5	129.2	129.6	129.7
180	3	89.2	90.0	90.7	91.3	91.6	91.7	92.0	92.2	92.2
240	4	70.2	70.6	71.0	71.4	71.5	71.6	71.8	71.9	71.9
300	5	57.9	58.2	58.5	58.7	58.8	58.9	59.0	59.0	59.0
480	8	38.1	38.3	38.4	38.5	38.6	38.6	38.7	38.7	38.7
600	10	31.1	31.2	31.3	31.4	31.5	31.5	31.5	31.6	31.6
1200	20	16.3	16.4	16.5	16.5	16.6	16.6	16.6	16.6	16.7

NSB 170FT RED Battery®

Discharge tables @ 20°C (68°F)



Current / A

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	353.4	446.1	542.4	635.1	685.6	716.1	777.6	813.2	818.9
5	0.08	335.9	389.7	442.3	490.9	517.1	533.0	566.0	588.0	597.4
10	0.17	279.3	308.8	336.8	362.2	375.9	384.2	402.0	414.7	421.9
15	0.25	238.1	257.4	275.5	291.8	300.6	306.0	317.5	326.2	331.6
20	0.33	208.2	222.0	234.9	246.4	252.7	256.5	264.8	271.1	275.4
30	0.50	167.7	175.9	183.5	190.3	194.0	196.3	201.2	205.1	207.9
45	0.75	131.1	135.8	140.0	143.9	145.9	147.2	150.0	152.2	153.9
60	1	108.4	111.4	114.1	116.6	117.9	118.7	120.5	121.9	123.0
120	2	65.3	66.2	67.1	67.8	68.2	68.4	68.9	69.3	69.6
180	3	47.3	47.7	48.1	48.5	48.6	48.7	48.9	49.1	49.1
240	4	37.2	37.5	37.7	37.9	38.0	38.1	38.1	38.2	38.1
300	5	30.8	31.0	31.1	31.3	31.3	31.3	31.4	31.4	31.3
480	8	20.4	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.5
600	10	16.7	16.8	16.8	16.9	16.9	16.9	16.9	16.9	16.8
1200	20	8.9	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0

Capacity / Ah

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	11.8	14.9	18.1	21.2	22.9	23.9	25.9	27.1	27.3
5	0.08	28.0	32.5	36.9	40.9	43.1	44.4	47.2	49.0	49.8
10	0.17	46.5	51.5	56.1	60.4	62.7	64.0	67.0	69.1	70.3
15	0.25	59.5	64.4	68.9	73.0	75.1	76.5	79.4	81.5	82.9
20	0.33	69.4	74.0	78.3	82.1	84.2	85.5	88.3	90.4	91.8
30	0.50	83.8	88.0	91.8	95.2	97.0	98.1	100.6	102.6	103.9
45	0.75	98.3	101.8	105.0	107.9	109.4	110.4	112.5	114.2	115.4
60	1	108.4	111.4	114.1	116.6	117.9	118.7	120.5	121.9	123.0
120	2	130.6	132.5	134.2	135.7	136.4	136.9	137.9	138.7	139.2
180	3	141.8	143.2	144.4	145.4	145.9	146.2	146.8	147.2	147.3
240	4	148.8	150.0	151.0	151.7	152.1	152.3	152.6	152.7	152.7
300	5	153.8	154.8	155.7	156.3	156.5	156.6	156.8	156.8	156.8
480	8	162.9	163.9	164.5	165.0	165.1	165.2	165.1	164.9	164.9
600	10	166.7	167.7	168.4	168.8	168.9	169.0	168.9	168.6	168.6
1200	20	177.1	178.3	179.3	180.0	180.3	180.5	180.7	180.7	180.7

Power / WPC

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	545	686	832	973	1050	1097	1191	1247	1259
5	0.08	573.0	660.1	744.2	821.1	862	887	937	969	981
10	0.17	503.8	552.6	598.1	638.6	660.0	672.9	699.5	717.4	726.1
15	0.25	440.7	472.7	502.0	527.9	541.6	549.8	566.9	578.9	585.3
20	0.33	391.3	414.1	434.9	453.2	462.8	468.6	480.7	489.4	494.4
30	0.50	320.9	334.4	346.5	357.1	362.7	366.1	373.3	378.5	381.8
45	0.75	254.6	262.1	268.8	274.6	277.7	279.6	283.5	286.5	288.5
60	1	212.2	216.9	221.2	224.8	226.8	228.0	230.5	232.4	233.7
120	2	129.6	131.1	132.3	133.4	134.0	134.3	135.1	135.6	135.9
180	3	94.3	95.0	95.7	96.2	96.4	96.6	96.9	97.1	97.2
240	4	74.4	74.9	75.3	75.6	75.7	75.8	76.0	76.1	76.1
300	5	61.6	62.0	62.3	62.5	62.6	62.6	62.7	62.7	62.7
480	8	40.9	41.1	41.3	41.4	41.5	41.5	41.5	41.5	41.5
600	10	33.5	33.7	33.8	33.9	34.0	34.0	34.0	34.0	34.0
1200	20	17.8	17.9	18.0	18.1	18.2	18.2	18.2	18.2	18.2

NSB 170FT RED Battery®

Discharge tables @ 25°C (77°F)



Current / A

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	392.1	495.1	601.9	704.8	760.8	794.7	862.9	902.4	908.8
5	0.08	365.7	424.3	481.5	534.5	563.0	580.3	616.3	640.2	650.4
10	0.17	300.1	331.8	361.9	389.2	403.9	412.8	431.9	445.6	453.4
15	0.25	254.0	274.6	293.8	311.3	320.6	326.3	338.7	347.9	353.7
20	0.33	221.0	235.6	249.3	261.6	268.2	272.2	281.0	287.7	292.2
30	0.50	176.7	185.4	193.5	200.7	204.5	206.9	212.1	216.3	219.2
45	0.75	137.3	142.2	146.7	150.7	152.9	154.2	157.1	159.5	161.2
60	1	113.0	116.2	119.0	121.6	123.0	123.8	125.7	127.2	128.3
120	2	67.4	68.4	69.3	70.1	70.5	70.7	71.2	71.6	71.9
180	3	48.6	49.1	49.5	49.8	50.0	50.1	50.3	50.4	50.5
240	4	38.1	38.4	38.7	38.8	38.9	39.0	39.1	39.1	39.1
300	5	31.4	31.6	31.8	31.9	32.0	32.0	32.0	32.0	32.0
480	8	20.7	20.8	20.9	21.0	21.0	21.0	21.0	20.9	20.9
600	10	16.9	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.0
1200	20	8.9	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1

Capacity / Ah

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	13.1	16.5	20.1	23.5	25.4	26.5	28.8	30.1	30.3
5	0.08	30.5	35.4	40.1	44.5	46.9	48.4	51.4	53.3	54.2
10	0.17	50.0	55.3	60.3	64.9	67.3	68.8	72.0	74.3	75.6
15	0.25	63.5	68.6	73.5	77.8	80.2	81.6	84.7	87.0	88.4
20	0.33	73.7	78.5	83.1	87.2	89.4	90.7	93.7	95.9	97.4
30	0.50	88.4	92.7	96.7	100.3	102.3	103.5	106.1	108.1	109.6
45	0.75	103.0	106.7	110.0	113.0	114.6	115.6	117.8	119.6	120.9
60	1	113.0	116.2	119.0	121.6	123.0	123.8	125.7	127.2	128.3
120	2	134.9	136.9	138.6	140.1	140.9	141.4	142.4	143.2	143.7
180	3	145.7	147.2	148.4	149.4	150.0	150.3	150.9	151.2	151.4
240	4	152.4	153.6	154.6	155.4	155.7	155.9	156.3	156.4	156.4
300	5	157.1	158.2	159.0	159.6	159.9	160.0	160.2	160.1	160.1
480	8	165.6	166.5	167.2	167.7	167.8	167.9	167.8	167.5	167.5
600	10	169.0	170.0	170.7	171.2	171.3	171.3	171.3	170.9	170.9
1200	20	178.4	179.6	180.6	181.4	181.7	181.8	182.1	182.0	182.0

Power / WPC

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	605	761	924	1080	1165	1217	1322	1384	1397
5	0.08	623.9	718.7	810.2	894.0	939	965	1020	1055	1068
10	0.17	541.3	593.8	642.6	686.2	709.2	723.0	751.5	770.8	780.1
15	0.25	470.1	504.2	535.5	563.1	577.7	586.4	604.7	617.5	624.3
20	0.33	415.3	439.6	461.6	481.0	491.2	497.3	510.2	519.4	524.7
30	0.50	338.3	352.5	365.3	376.5	382.4	386.0	393.5	399.1	402.5
45	0.75	266.7	274.5	281.5	287.7	290.9	292.8	297.0	300.2	302.2
60	1	221.3	226.3	230.7	234.5	236.6	237.8	240.4	242.4	243.8
120	2	133.9	135.4	136.7	137.8	138.4	138.8	139.5	140.1	140.4
180	3	96.9	97.7	98.3	98.8	99.1	99.2	99.6	99.8	99.8
240	4	76.2	76.7	77.1	77.4	77.6	77.6	77.8	77.9	77.9
300	5	63.0	63.3	63.6	63.8	63.9	64.0	64.0	64.1	64.1
480	8	41.6	41.8	41.9	42.1	42.1	42.2	42.2	42.2	42.2
600	10	34.0	34.2	34.3	34.4	34.5	34.5	34.5	34.5	34.5
1200	20	18.0	18.1	18.2	18.3	18.3	18.3	18.3	18.4	18.4

NSB 190FT RED Battery®

Discharge tables @ 20°C (68°F)



Current / A

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	422.0	498.6	576.2	651.6	694.1	720.8	780.0	825.9	855.4
5	0.08	365.3	414.3	462.5	508.4	534.1	550.2	586.2	614.9	635.1
10	0.17	294.1	323.9	352.7	379.7	394.6	404.0	424.9	441.8	454.0
15	0.25	248.9	269.9	289.9	308.4	318.6	324.9	339.2	350.6	359.1
20	0.33	217.5	233.3	248.3	262.0	269.5	274.2	284.7	293.2	299.4
30	0.50	175.9	186.0	195.5	204.1	208.8	211.7	218.2	223.4	227.3
45	0.75	138.7	144.8	150.5	155.6	158.3	160.0	163.8	166.8	169.0
60	1	115.6	119.7	123.4	126.8	128.6	129.7	132.1	134.1	135.5
120	2	71.1	72.5	73.6	74.7	75.2	75.5	76.2	76.7	77.0
180	3	52.1	52.7	53.2	53.6	53.8	54.0	54.2	54.4	54.4
240	4	41.4	41.6	41.9	42.1	42.2	42.2	42.3	42.3	42.3
300	5	34.4	34.5	34.6	34.7	34.7	34.8	34.8	34.8	34.8
480	8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.8	22.8
600	10	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
1200	20	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9

Capacity / Ah

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	14.1	16.6	19.2	21.7	23.1	24.0	26.0	27.5	28.5
5	0.08	30.4	34.5	38.5	42.4	44.5	45.9	48.9	51.2	52.9
10	0.17	49.0	54.0	58.8	63.3	65.8	67.3	70.8	73.6	75.7
15	0.25	62.2	67.5	72.5	77.1	79.6	81.2	84.8	87.7	89.8
20	0.33	72.5	77.8	82.8	87.3	89.8	91.4	94.9	97.7	99.8
30	0.50	87.9	93.0	97.7	102.1	104.4	105.9	109.1	111.7	113.6
45	0.75	104.0	108.6	112.9	116.7	118.8	120.0	122.8	125.1	126.8
60	1	115.6	119.7	123.4	126.8	128.6	129.7	132.1	134.1	135.5
120	2	142.3	144.9	147.3	149.3	150.4	151.0	152.4	153.4	154.0
180	3	156.4	158.1	159.6	160.9	161.5	161.9	162.6	163.1	163.3
240	4	165.4	166.6	167.5	168.3	168.6	168.8	169.2	169.3	169.3
300	5	171.8	172.5	173.1	173.5	173.7	173.8	173.9	173.9	173.9
480	8	183.0	183.2	183.3	183.3	183.2	183.2	183.0	182.6	182.6
600	10	187.3	187.4	187.4	187.4	187.3	187.2	186.9	186.6	186.6
1200	20	196.2	196.9	197.6	198.1	198.3	198.4	198.6	198.7	198.7

Power / WPC

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	739.5	851.2	961.5	1065.8	1123.5	1159.4	1237.7	1296.5	1332.9
5	0.08	668.3	742.3	813.5	879.5	915.6	938.0	987.0	1024.5	1049.1
10	0.17	551.9	598.1	641.6	681.3	702.8	716.1	745.2	767.7	782.8
15	0.25	473.2	505.9	536.4	564.0	578.9	588.1	608.1	623.6	634.1
20	0.33	416.8	441.6	464.6	485.3	496.4	503.2	518.1	529.6	537.4
30	0.50	340.3	356.4	371.1	384.2	391.2	395.5	404.9	412.0	416.9
45	0.75	270.7	280.5	289.4	297.2	301.3	303.9	309.4	313.5	316.4
60	1	226.7	233.3	239.2	244.4	247.2	248.9	252.5	255.2	257.0
120	2	141.0	143.2	145.0	146.7	147.5	148.0	149.0	149.8	150.2
180	3	103.8	104.8	105.6	106.3	106.6	106.8	107.2	107.5	107.6
240	4	82.6	83.1	83.5	83.8	83.9	84.0	84.2	84.3	84.3
300	5	68.7	69.0	69.2	69.4	69.4	69.5	69.5	69.5	69.5
480	8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
600	10	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.6	37.6
1200	20	19.8	19.9	19.9	20.0	20.0	20.0	20.0	20.1	20.1

NSB 190FT RED Battery®

Discharge tables @ 25°C (77°F)



Current / A

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	468.3	553.3	639.4	723.0	770.2	799.8	865.6	916.5	949.3
5	0.08	397.7	451.1	503.6	553.6	581.5	599.1	638.3	669.5	691.5
10	0.17	316.0	348.0	379.0	408.0	424.0	434.1	456.5	474.7	487.8
15	0.25	265.5	287.9	309.2	328.9	339.8	346.6	361.8	374.0	383.0
20	0.33	230.9	247.7	263.5	278.1	286.1	291.1	302.2	311.2	317.8
30	0.50	185.4	196.1	206.1	215.2	220.1	223.2	230.0	235.5	239.6
45	0.75	145.3	151.7	157.7	163.0	165.9	167.7	171.6	174.7	177.0
60	1	120.5	124.8	128.8	132.3	134.1	135.3	137.8	139.8	141.3
120	2	73.5	74.9	76.1	77.1	77.7	78.0	78.7	79.2	79.6
180	3	53.6	54.2	54.7	55.1	55.3	55.4	55.7	55.9	56.0
240	4	42.4	42.6	42.9	43.1	43.2	43.2	43.3	43.4	43.4
300	5	35.1	35.2	35.4	35.4	35.5	35.5	35.5	35.5	35.5
480	8	23.2	23.3	23.3	23.3	23.3	23.3	23.2	23.2	23.2
600	10	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.9	18.9
1200	20	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Capacity / Ah

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	15.6	18.4	21.3	24.1	25.7	26.7	28.9	30.5	31.6
5	0.08	33.1	37.6	42.0	46.1	48.5	49.9	53.2	55.8	57.6
10	0.17	52.7	58.0	63.2	68.0	70.7	72.3	76.1	79.1	81.3
15	0.25	66.4	72.0	77.3	82.2	84.9	86.6	90.4	93.5	95.8
20	0.33	77.0	82.6	87.8	92.7	95.4	97.0	100.7	103.7	105.9
30	0.50	92.7	98.1	103.0	107.6	110.1	111.6	115.0	117.8	119.8
45	0.75	109.0	113.8	118.2	122.2	124.4	125.7	128.7	131.0	132.8
60	1	120.5	124.8	128.8	132.3	134.1	135.3	137.8	139.8	141.3
120	2	147.0	149.7	152.1	154.2	155.3	156.0	157.4	158.4	159.1
180	3	160.7	162.5	164.0	165.3	166.0	166.3	167.1	167.6	167.9
240	4	169.4	170.6	171.5	172.3	172.7	172.9	173.3	173.4	173.4
300	5	175.4	176.2	176.8	177.2	177.4	177.5	177.6	177.6	177.6
480	8	186.0	186.2	186.3	186.3	186.2	186.1	185.9	185.6	185.6
600	10	189.9	190.0	190.0	190.0	189.9	189.8	189.5	189.2	189.2
1200	20	197.7	198.4	199.0	199.5	199.8	199.9	200.1	200.2	200.2

Power / WPC

Duration		End of Discharge Voltage								
Minutes	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	820.6	944.6	1067.0	1182.7	1246.8	1286.6	1373.4	1438.8	1479.1
5	0.08	727.6	808.2	885.7	957.5	996.9	1021.3	1074.6	1115.4	1142.2
10	0.17	593.0	642.6	689.3	732.0	755.2	769.5	800.7	824.8	841.1
15	0.25	504.7	539.6	572.1	601.6	617.5	627.3	648.6	665.1	676.4
20	0.33	442.3	468.7	493.1	515.0	526.8	534.1	549.9	562.1	570.4
30	0.50	358.8	375.7	391.2	405.1	412.5	417.0	426.8	434.4	439.6
45	0.75	283.6	293.8	303.1	311.3	315.7	318.3	324.1	328.5	331.4
60	1	236.5	243.3	249.5	255.0	257.8	259.6	263.3	266.2	268.0
120	2	145.7	147.9	149.8	151.5	152.4	152.9	153.9	154.7	155.2
180	3	106.7	107.7	108.5	109.2	109.6	109.8	110.2	110.4	110.6
240	4	84.6	85.1	85.5	85.8	86.0	86.1	86.2	86.3	86.3
300	5	70.2	70.5	70.7	70.8	70.9	71.0	71.0	71.0	71.0
480	8	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.7	46.7
600	10	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
1200	20	19.9	20.0	20.1	20.1	20.1	20.2	20.2	20.2	20.2