

Northstar 40FT Red Battery™



Discharge Tables - 25°C (77°F)

Current / A

Duration		End of Discharge Voltage								
Mins	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	244.9	270.6	295.2	317.8	330.2	337.8	354.3	366.9	375.0
5	0.08	152.6	165.6	177.4	187.9	193.3	196.6	203.2	207.5	209.4
10	0.17	100.8	107.5	113.5	118.6	121.3	122.8	125.8	127.5	128.0
15	0.25	77.4	81.7	85.5	88.8	90.4	91.3	93.1	94.1	94.3
20	0.33	63.6	66.7	69.4	71.6	72.7	73.4	74.6	75.3	75.4
30	0.50	47.7	49.5	51.1	52.4	53.0	53.4	54.1	54.5	54.6
45	0.75	35.3	36.3	37.1	37.9	38.2	38.4	38.8	39.1	39.1
60	1	28.3	28.9	29.4	29.9	30.1	30.3	30.5	30.7	30.7
120	2	16.2	16.4	16.5	16.6	16.7	16.8	16.8	16.9	17.0
180	3	11.5	11.6	11.7	11.7	11.7	11.8	11.8	11.9	11.9
240	4	9.0	9.0	9.1	9.1	9.1	9.1	9.2	9.2	9.2
300	5	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.6	7.6
480	8	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0
600	10	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1
1200	20	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2

Capacity / Ah

Duration		End of Discharge Voltage								
Mins	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	8.2	9.0	9.8	10.6	11.0	11.3	11.8	12.2	12.5
5	0.08	12.7	13.8	14.8	15.7	16.1	16.4	16.9	17.3	17.4
10	0.17	16.8	17.9	18.9	19.8	20.2	20.5	21.0	21.3	21.3
15	0.25	19.3	20.4	21.4	22.2	22.6	22.8	23.3	23.5	23.6
20	0.33	21.2	22.2	23.1	23.9	24.2	24.5	24.9	25.1	25.1
30	0.50	23.8	24.7	25.5	26.2	26.5	26.7	27.0	27.2	27.3
45	0.75	26.4	27.2	27.9	28.4	28.7	28.8	29.1	29.3	29.3
60	1	28.3	28.9	29.4	29.9	30.1	30.3	30.5	30.7	30.7
120	2	32.4	32.7	33.0	33.3	33.4	33.5	33.7	33.8	33.9
180	3	34.5	34.8	35.0	35.1	35.2	35.3	35.5	35.6	35.7
240	4	36.0	36.1	36.3	36.4	36.5	36.6	36.7	36.8	37.0
300	5	37.0	37.1	37.3	37.4	37.5	37.5	37.7	37.8	38.0
480	8	38.9	39.1	39.3	39.5	39.5	39.6	39.8	39.9	40.0
600	10	39.7	40.0	40.2	40.4	40.6	40.6	40.8	40.9	41.0
1200	20	41.8	42.6	43.2	43.8	44.0	44.2	44.4	44.5	44.5

Power / W per cell

Duration		End of Discharge Voltage								
Mins	Hours	1.85	1.80	1.75	1.70	1.67	1.65	1.60	1.55	1.50
2	0.03	399.0	440.2	480.1	517.5	538.4	551.4	580.8	604.7	622.3
5	0.08	279.9	299.9	318.4	335.0	343.9	349.3	360.8	369.4	374.7
10	0.17	194.6	204.8	213.9	221.8	225.8	228.3	233.3	236.7	238.5
15	0.25	152.2	158.7	164.4	169.2	171.7	173.2	176.1	178.0	178.8
20	0.33	126.2	130.7	134.7	138.1	139.8	140.8	142.8	144.0	144.5
30	0.50	95.2	97.9	100.3	102.2	103.2	103.8	104.9	105.5	105.7
45	0.75	70.5	72.1	73.4	74.5	75.0	75.4	76.0	76.3	76.4
60	1	56.4	57.4	58.3	59.0	59.4	59.6	60.0	60.2	60.2
120	2	32.0	32.4	32.7	33.0	33.1	33.2	33.3	33.4	33.4
180	3	21.4	21.6	21.8	22.0	22.1	22.1	22.2	22.3	22.3
240	4	17.6	17.7	17.9	18.0	18.0	18.0	18.1	18.1	18.2
300	5	14.5	14.6	14.6	14.7	14.8	14.8	14.8	14.9	14.9
480	8	9.5	9.5	9.6	9.7	9.7	9.7	9.7	9.8	9.8
600	10	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0	8.0
1200	20	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3