

Northstar 40FT Red Battery™



Discharge Tables - 20°C (68°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	220.7	243.9	266.0	286.4	297.5	304.4	319.3	330.6	337.9
5	0.08	140.2	152.1	163.0	172.6	177.6	180.6	186.6	190.6	192.3
10	0.17	93.8	100.0	105.6	110.4	112.9	114.3	117.0	118.7	119.1
15	0.25	72.5	76.6	80.2	83.2	84.7	85.6	87.3	88.2	88.4
20	0.33	59.9	62.8	65.4	67.5	68.5	69.1	70.3	71.0	71.1
30	0.50	45.2	46.9	48.4	49.7	50.3	50.6	51.3	51.7	51.7
45	0.75	33.7	34.6	35.5	36.1	36.5	36.7	37.1	37.3	37.3
60	1	27.1	27.7	28.2	28.7	28.9	29.0	29.3	29.4	29.5
120	2	15.7	15.8	16.0	16.1	16.2	16.2	16.3	16.4	16.4
180	3	11.2	11.3	11.3	11.4	11.4	11.5	11.5	11.6	11.6
240	4	8.8	8.8	8.9	8.9	8.9	8.9	9.0	9.0	9.0
300	5	7.2	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4
480	8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9
600	10	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200	20	2.1	2.1	2.1	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	7.4	8.1	8.9	9.5	9.9	10.1	10.6	11.0	11.3
5	0.08	11.7	12.7	13.6	14.4	14.8	15.0	15.6	15.9	16.0
10	0.17	15.6	16.7	17.6	18.4	18.8	19.0	19.5	19.8	19.9
15	0.25	18.1	19.2	20.0	20.8	21.2	21.4	21.8	22.1	22.1
20	0.33	20.0	20.9	21.8	22.5	22.8	23.0	23.4	23.7	23.7
30	0.50	22.6	23.5	24.2	24.8	25.1	25.3	25.7	25.8	25.9
45	0.75	25.2	26.0	26.6	27.1	27.4	27.5	27.8	28.0	28.0
60	1	27.1	27.7	28.2	28.7	28.9	29.0	29.3	29.4	29.5
120	2	31.3	31.7	32.0	32.2	32.4	32.4	32.6	32.8	32.9
180	3	33.6	33.8	34.0	34.2	34.3	34.4	34.5	34.7	34.8
240	4	35.1	35.3	35.4	35.6	35.6	35.7	35.8	36.0	36.1
300	5	36.2	36.3	36.5	36.6	36.7	36.7	36.9	37.0	37.2
480	8	38.3	38.5	38.7	38.8	38.9	39.0	39.1	39.3	39.4
600	10	39.2	39.5	39.7	39.9	40.0	40.1	40.2	40.4	40.5
1200	20	41.5	42.3	42.9	43.4	43.7	43.8	44.1	44.2	44.2

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	359.5	396.7	432.6	466.3	485.1	496.9	523.4	544.9	560.8
5	0.08	257.1	275.5	292.5	307.7	315.9	320.8	331.4	339.3	344.1
10	0.17	181.1	190.6	199.0	206.4	210.2	212.5	217.1	220.3	221.9
15	0.25	142.7	148.8	154.1	158.7	161.0	162.4	165.1	166.9	167.7
20	0.33	118.9	123.2	127.0	130.1	131.7	132.7	134.5	135.7	136.1
30	0.50	90.3	92.9	95.1	97.0	97.9	98.4	99.5	100.1	100.2
45	0.75	67.3	68.8	70.1	71.1	71.6	71.9	72.5	72.8	72.9
60	1	54.1	55.1	55.9	56.6	56.9	57.1	57.5	57.7	57.8
120	2	31.0	31.4	31.7	31.9	32.0	32.1	32.2	32.3	32.3
180	3	20.8	21.0	21.2	21.4	21.5	21.5	21.6	21.7	21.7
240	4	17.2	17.3	17.4	17.5	17.6	17.6	17.7	17.7	17.7
300	5	14.1	14.2	14.3	14.4	14.4	14.5	14.5	14.6	14.6
480	8	9.3	9.4	9.4	9.5	9.5	9.5	9.6	9.6	9.6
600	10	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9
1200	20	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3	4.3