

### Specifications

Nominal Voltage	12V
Nominal Capacity	430.4 Watts/cell (15 Min. rate to 1.67V/cell @ 77°F) 110Ah (20 Hr. rate to 1.80 V/cell @ 77°F)
Dimensions	Length 12.81 inches
	Width 6.69 inches
	Height (with Terminal) 8.50 inches
Weight	Approx. 69.2 lbs. (31.4 kg)
Container Material	ABS - Flame Retardant UL94
Terminal / Torque Rating	T8 / 65 in. lbs.
Preferred Operating Temp.	68-77°F
Operating Temp Range	Discharge: -15~50°C (5~122°F)
	Charge: 0~40°C (32~104°F)
	Storage: -15~40°C (32~104°F)
Internal Resistance	Approx. 3.6 mOhms
Max. Discharge Current	1650A (5s)
Float Voltage	2.25 – 2.28 Vpc at 77°F
Max. Charge Current Allowed	33 Amps
Self Discharge	3% of capacity declined per month at 20°C (68°F). The batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.



### Applications

- UPS (High rate)
- High power backup supply
- Emergency power supply
- Emergency lighting
- Electric starting



UL File No. MH19767

### Constant Power Discharge (Watts/Cell) at 25°C (77°F)

F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1 hr
1.85 V/cell	421.2	358.6	313.4	269.7	208.6	153.4	123.4
1.80 V/cell	508.2	407.2	344.5	292.7	221.4	164.2	130.4
1.75 V/cell	565.9	441.9	373.7	313.9	233.7	170.6	136.0
1.70 V/cell	631.6	482.1	400.4	334.0	247.6	178.7	142.0
1.67 V/cell	678.3	518.2	430.4	356.5	260.1	186.8	148.0
1.60 V/cell	721.9	556.4	456.5	374.9	271.3	192.4	151.4

### Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1 hr
1.85 V/cell	216.5	183.3	159.3	136.4	104.9	76.9	61.6
1.80 V/cell	264.0	210.3	176.9	149.5	112.4	82.9	65.6
1.75 V/cell	297.0	230.3	193.6	161.7	119.7	86.8	68.9
1.70 V/cell	335.3	254.1	209.9	173.9	128.0	91.8	72.5
1.67 V/cell	363.0	275.2	227.0	186.8	135.3	96.5	75.9
1.60 V/cell	390.7	298.7	243.3	198.3	142.6	100.3	78.4

