

# UPS High Rate Battery

UPS12-210WFR

## Specifications

Nominal Voltage	12V
Nominal Capacity	225.1 Watts/cell (15 Min. rate to 1.67V/cell @ 77°F) 55Ah (20 Hr. rate to 1.80 V/cell @ 77°F)
Dimensions	Length 9.02 inches
	Width 5.43 inches
	Height (with Terminal) 7.99 inches
Weight	Approx. 38.1 lbs. (17.3 kg)
Container Material	ABS - Flame Retardant UL94
Terminal / Torque Rating	T6 / 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. 5 mOhms
Max. Discharge Current	825A (5s)
Float Voltage	2.25 – 2.28 Vpc at 77°F
Max. Charge Current Allowed	16.5 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



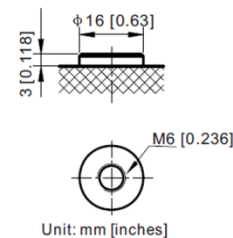
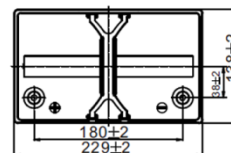
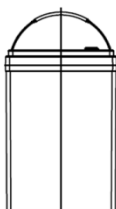
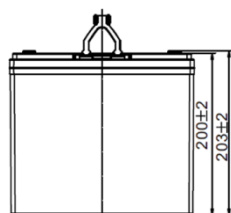
UL File No. MH19767

### 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	262.3	196.5	166.3	143.9	110.9	81.1	65.0
1.80 V/cell	308.7	221.1	186.4	157.0	118.1	85.3	68.0
1.75 V/cell	353.2	242.4	199.6	166.5	122.7	88.3	70.0
1.70 V/cell	378.4	261.2	211.5	175.2	127.6	90.6	71.8
1.67 V/cell	406.6	274.0	225.1	183.2	131.4	93.3	73.7
1.60 V/cell	432.7	289.8	232.3	189.0	134.8	95.6	75.2

### 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	134.8	100.4	84.5	72.8	55.8	40.6	32.5
1.80 V/cell	160.4	114.2	95.7	80.2	60.0	43.0	34.2
1.75 V/cell	185.3	126.4	103.4	85.8	62.8	45.0	35.4
1.70 V/cell	200.9	137.7	110.9	91.2	66.0	46.6	36.6
1.67 V/cell	217.6	145.5	118.7	96.0	68.3	48.2	37.8
1.60 V/cell	234.2	155.6	123.8	100.0	70.8	49.9	38.9



Unit: mm [inches]