

UPS High Rate Battery

UPS12-300WFR

Specifications

Nominal Voltage	12V
Nominal Capacity	324.6 Watts/cell (15 Min. rate to 1.67V/cell @ 77°F) 82Ah (20 Hr. rate to 1.80 V/cell @ 77°F)
Dimensions	Length 10.2 inches
	Width 6.61 inches
	Height (with Terminal) 8.31 inches
Weight	Approx. 52.5 lbs. (23.8 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. 4.5 mOhms
Max. Discharge Current	1230A (5s)
Float Voltage	2.25 – 2.28 Vpc at 77°F
Max. Charge Current Allowed	24.6 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



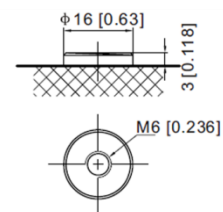
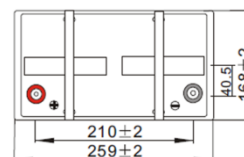
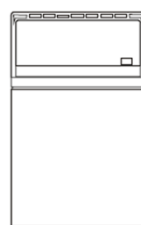
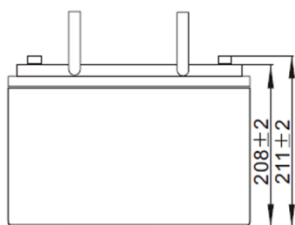
UL File No. MH19767

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	363.7	282.0	247.8	217.9	168.9	127.0	102.5
1.80 V/cell	413.0	307.7	269.0	232.7	176.4	130.6	105.2
1.75 V/cell	465.0	342.2	290.0	244.5	182.2	133.6	107.2
1.70 V/cell	506.0	366.8	305.4	257.5	189.6	137.9	109.5
1.67 V/cell	555.3	396.5	324.6	267.6	196.7	141.4	112.0
1.60 V/cell	603.6	423.4	339.1	279.0	202.3	145.1	113.5

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	187.0	144.2	126.0	110.2	85.0	63.6	51.2
1.80 V/cell	214.5	158.9	138.1	118.8	89.5	65.9	52.9
1.75 V/cell	244.0	178.4	150.2	126.0	93.3	68.0	54.3
1.70 V/cell	268.6	193.4	160.1	134.1	98.1	70.9	55.9
1.67 V/cell	297.2	210.6	171.2	140.2	102.3	73.0	57.5
1.60 V/cell	326.7	227.3	180.7	147.6	106.3	75.7	58.8



Unit: mm [inches]