

## FEATURES

- The sulfuric acid is mixed with silica fume, which makes the resulting mass gel-like and immobile.
- Increased durability and deep cycle ability for heavy demand.
- High temperature stability, mechanical strength and low acid displacement.
- Superior performance with deep discharges.
- Patented safety valve to have accurate pressure operating for long battery life.

## APPLICATIONS

- UPS
- Security
- Telecommunication
- Electronic Medical Equipment
- Emergency Lighting



## SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	160 Ah @ 20 hour rate F.V.(1.75V/cell) 152 Ah @ 10 hour rate F.V.(1.80V/cell)
Approx. Weight	55Kg(121.3lbs.)
Terminals	B9 (Fitting M8 bolt & nut) I3 is optional
Internal Resistance	≤5.0m Ω (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	32.0 A
Self Discharge	< 2% per month (25°C)
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS( UL94 HB) GB 12/160 Optional: Flame Retardant ABS(UL94 V-0) GB 12/160FR



MH19884



- GB/T 19638.2-2005
- IEC60896-21/22 2004

## DIMENSION(mm/inch)

## OUTER DIMENSIONS

## TERMINAL TYPE

### Length

522±2.0 (20.55±0.08)

### Width

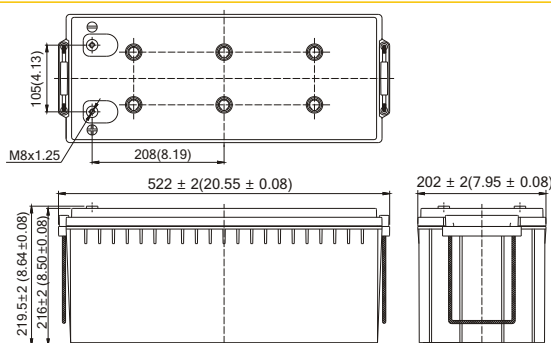
202±2.0 (7.95±0.08)

### Container Height

216±2.0 (8.50±0.08)

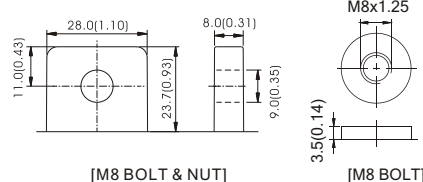
### Total Height

219.5±2.0 (8.64±0.08)



### Terminal B9

### Terminal I3



Terminal Hardware Initial Torque: B9,I3(10.0Nm±5%)

## Constant power discharge characteristics at 25 °C/77 °F

Unit: W

F.V. (V/cell) \ Discharge Time	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	1797	1063	464.0	320.0	182.9	93.3
1.75V	1824	1095	473.4	325.3	183.2	96.0
1.70V	1838	1118	479.1	327.6	183.6	96.6
1.65V	1840	1131	482.7	329.1	183.8	97.0
1.60V	1843	1143	485.3	329.9	184.2	97.4

## Constant current discharge characteristics at 25 °C/77 °F

Unit: A

F.V. (V/cell) \ Discharge Time	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	149.7	90.5	38.84	26.67	15.24	7.77
1.75V	152.0	93.3	39.63	27.12	15.27	8.00
1.70V	153.1	95.3	40.10	27.35	15.30	8.05
1.65V	153.6	96.5	40.42	27.43	15.32	8.08
1.60V	153.6	97.4	40.62	27.51	15.34	8.11

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