

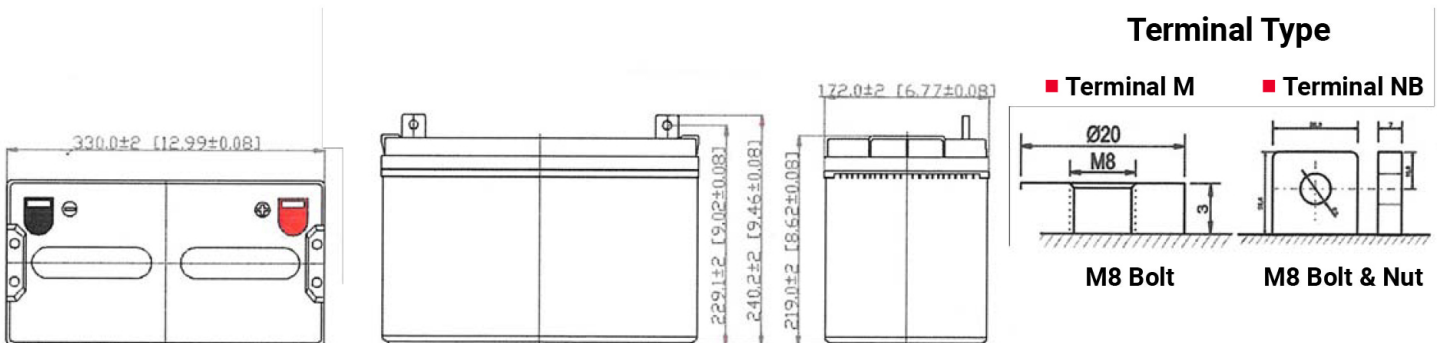
<b>Capacity (25°C)</b>	20HR (1.0A, 10.5V) = 104.0AH 10HR (1.93A, 10.5V) = 19.3AH 5HR (3.79A, 10.5V) = 18.99AH 1HR (12.98A, 10.5V) = 12.98AH
<b>Operating Temperature Range</b>	Charge = 0°C to 45°C Discharge = -15°C to 50°C Storage = -15°C to 40°C
<b>Approx. Weight</b>	28.30Kg
<b>Internal Resistance</b>	Fully charged at 25°C : ≤ 6.5mΩ
<b>Self Discharge</b>	2% per month at (25°C)
<b>Capacity Affected by Temp. (20HR)</b>	40°C = 102% 25°C = 100% 0°C = 85% -15°C = 65%
<b>Charge Voltage (25°C)</b>	Cycle Use = 14.4-14.6V (-30mV/°C) Max Current = 5A Float Use = 13.5-13.8V (-20mV/°C)
<b>Dimensions (Nominal)</b>	Length: 330mm (12.99 in.) Width: 173mm (6.81 in.) Height: 219mm (8.62 in.) Total Height: 240mm (9.45 in.)

- Completely sealed, maintenance-free, low self-discharge
- State of the art AGM and grid alloy formula technology
- Non-spillable, stable quality and high reliability with excellent re-charging performance
- Floating and standby use up to: 10 years
- Cycle use: Up to 260 cycles at 100% DoD
- Cycle use : Up to 500 Cycles at 50% DoD
- Container and Cover Material – ABS UL94-HB (optional UL94-V0)
- Transportation - D.O.T., I.A.T.A. & F.A.A.

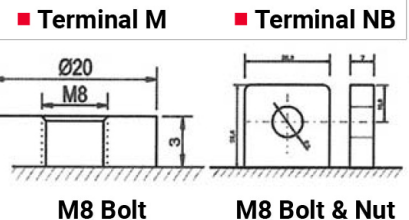


## ■ APPLICATIONS

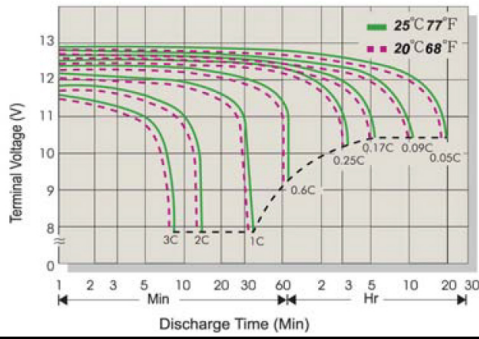
- |                           |                                    |                                  |
|---------------------------|------------------------------------|----------------------------------|
| <b>Multipurpose</b>       | <b>Alarm &amp; Security System</b> | <b>DC Power Supply</b>           |
| <b>Telecommunications</b> | <b>Comm. Power Supply</b>          | <b>Auto Control System</b>       |
| <b>UPS</b>                | <b>Elec. Power System (EPS)</b>    | <b>Traffic Control Signaling</b> |
| <b>Medical Equipment</b>  | <b>Emergency Backup Power</b>      | <b>Emergency Lighting</b>        |



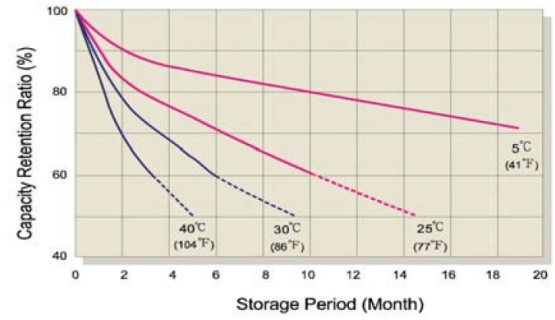
### Terminal Type



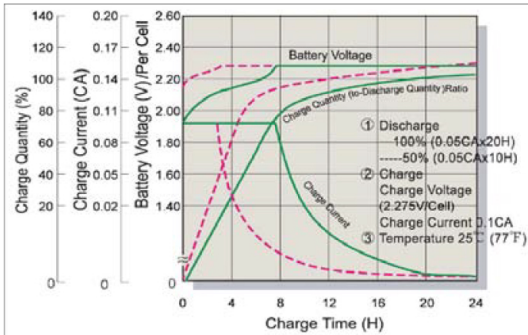
## Terminal Voltage (V) & Discharge Time



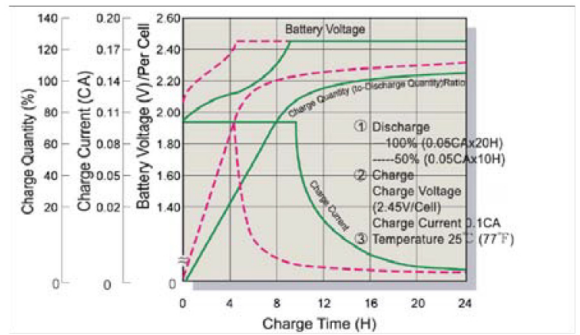
## Capacity Retention Characteristic



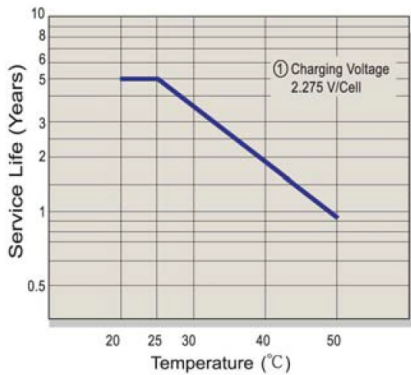
## Battery Voltage & Charge Time For Standby Use



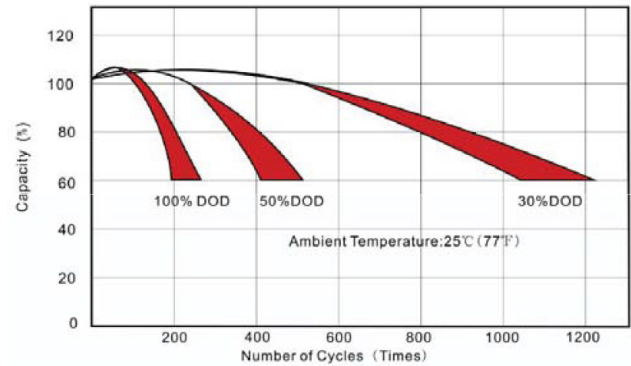
## Battery Voltage & Charge Time for Cycle Use



## Float Service Life



## Cycle Service Life



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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.85V/Cell	226.0	166.4	144.5	87.2	51.4	30.2	22.6	19.01	15.65	14.40	9.60	4.90
1.80V/Cell	234.6	172.8	150.0	90.5	53.5	31.5	23.5	19.80	16.30	15.00	10.00	5.00
1.75V/Cell	258.1	181.4	157.5	94.1	55.6	32.4	24.2	20.00	16.46	15.15	10.10	5.05
1.70V/Cell	288.6	190.1	165.0	98.6	56.7	33.1	24.7	20.20	16.63	15.30	10.20	5.10
1.67V/Cell	319.1	198.7	172.5	101.4	58.9	34.0	25.4	20.39	16.79	15.45	10.30	5.15

### Constant Power Discharge (W) at 25°C (77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.85V/Cell	429.3	316.2	274.5	165.6	97.6	57.5	42.9	36.12	29.73	27.36	18.24	9.30
1.80V/Cell	445.7	328.3	285.0	172.0	101.7	59.9	44.7	37.62	30.97	28.50	19.00	9.50
1.75V/Cell	490.3	344.7	299.3	178.8	105.7	61.6	46.0	38.00	31.28	28.79	19.19	9.60
1.70V/Cell	548.3	361.2	313.5	187.4	107.7	62.8	46.9	38.37	31.59	29.07	19.38	9.69
1.67V/Cell	606.2	377.6	327.8	192.6	111.8	64.6	48.2	38.75	31.90	29.36	19.57	9.79