

Valve Regulated Lead Acid AGM Battery



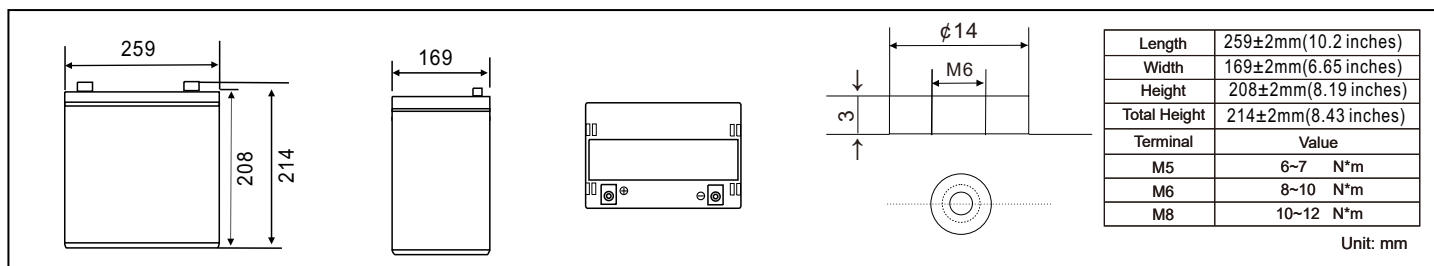
Application

- Uninterruptible Power Supplies (UPS)
- Electric Power Systems (EPS)
- Emergency Backup Power Supplies
- Communication Power Supplies
- Auto Control System

Specifications

Cells Per Unit	6
Voltage Per Unit	12
Capacity	750Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 21.5 Kg (Tolerance±1.5%)
Internal Resistance	Approx. 5.5 mΩ
Terminal	F16(M8)/F10(M8)
Max. Discharge Current	750A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	15.0A
Reference Capacity	C3 50.7AH C5 57.5AH C10 68.0AH C20 75.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.2 V~14.4 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -15°C~45°C Charge: -15°C~45°C Storage: -10°C~45°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	Less than 3% at 25°C per month
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

Dimensions



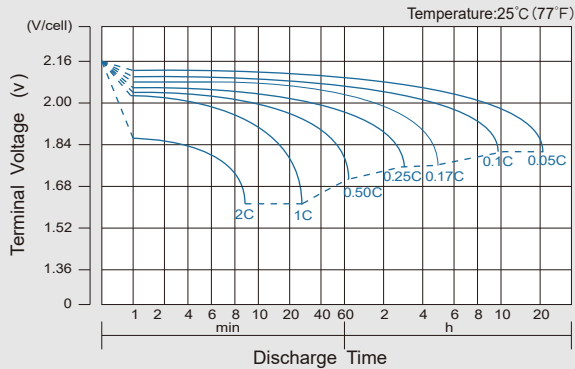
Discharge Constant Current per Cell (Amperes at 25° C)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	121.3	73.8	49.5	45.8	26.4	18.6	12.6	8.3	7.4	4.05	0.90
1.65V	119.1	72.5	48.6	45.0	26.0	18.2	12.4	8.2	7.3	3.98	0.88
1.70V	116.9	71.2	47.7	44.1	25.5	17.9	12.2	8.0	7.2	3.90	0.87
1.75V	114.7	69.8	46.8	43.3	25.0	17.6	11.9	7.9	7.0	3.83	0.85
1.80V	110.3	67.1	45.0	41.6	24.0	16.9	11.5	7.6	6.8	3.75	0.83

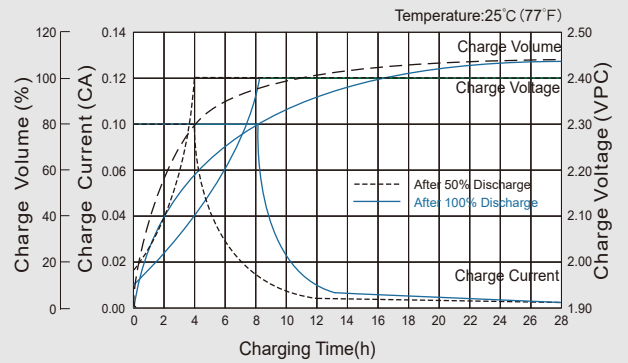
Discharge Constant Power per Cell (Watts at 25° C)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	233.5	142.1	95.3	88.1	50.9	35.7	24.3	16.0	14.3	7.8	1.73
1.65V	229.2	139.6	93.6	86.5	50.0	35.1	23.9	15.7	14.0	7.7	1.70
1.70V	225.0	137.0	91.8	84.9	49.0	34.4	23.4	15.5	13.8	7.5	1.67
1.75V	220.7	134.4	90.1	83.3	48.1	33.8	23.0	15.2	13.5	7.4	1.63
1.80V	212.2	129.2	86.6	80.1	46.3	32.5	22.1	14.6	13.0	7.2	1.60

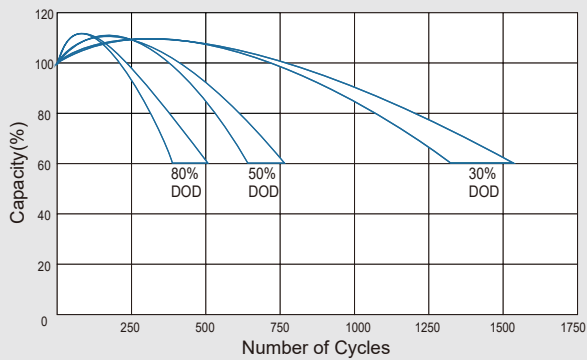
Discharge Characteristics Curve



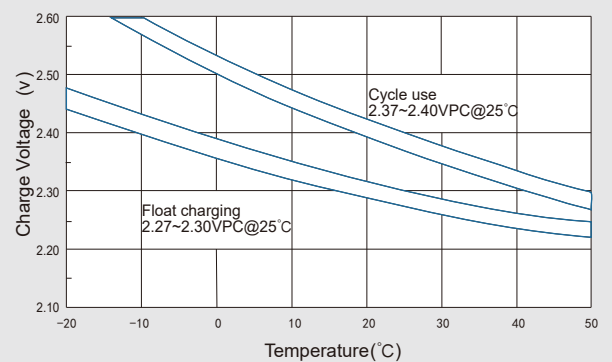
Charge Characteristic Curve for Cycle Use(IU)



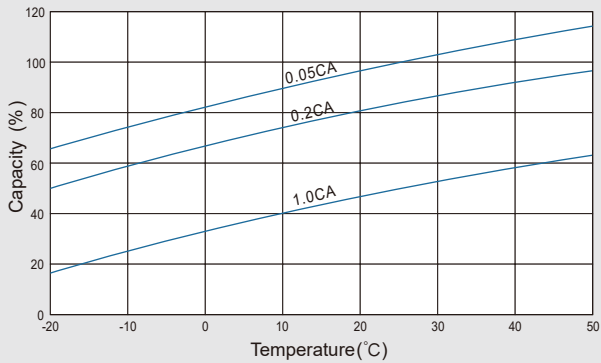
Cycle Life in Relation to Depth of Discharge



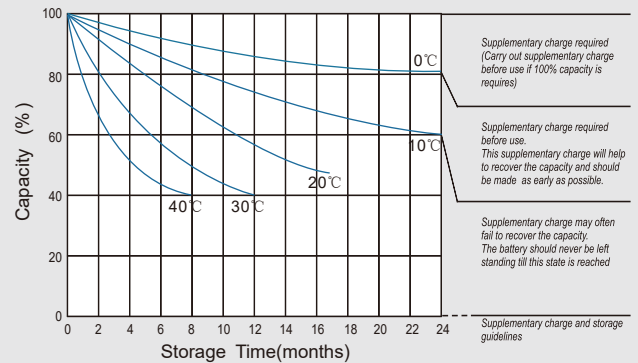
Relationship Between Charging Voltage and Temperature



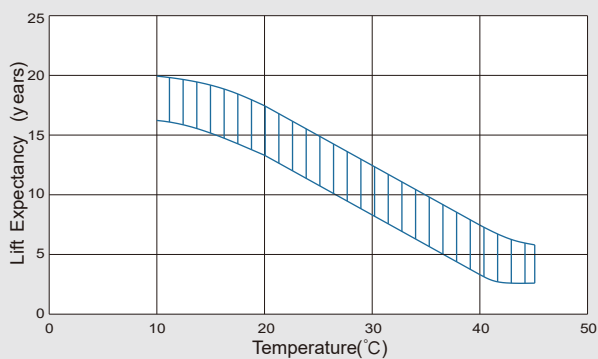
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20°C)

