

MC3.3-12(12V 3.3Ah,

Rechargeable VRLA Battery



FEATURES

AGM technology for efficient gas recombination and lower I.R.
 Individually tank-formed plates optimize uniformity of cell
 High performance alloy to secure corrosion-proof feature
 Long float and cycle life
 Maintenance-free operation
 Sealed construction, no electrolyte leakage or spill
 Computer-aided design and manufacture ensure high quality

SPECIFICATION

Nominal Voltage	12V
Nominal Capacity	3.3 Ah @ 20Hr-rate
Approx. Weight	1.30KG(2.86Lbs)
Internal Resistance	45mΩ (Fully Charged) @25°C
Self-Discharge	Average 3% of capacity decline per month
Nominal Operating Temp.	25±3°C(77±5°F)
Operating Temp. Range	Discharge:-20~50°C(-4~122°F)
	Charge:-15~40°C(5~104°F)
	Storage:-20°C~40°C(-4~104°F)
Max. Discharge Current	49.5A(5sec.)
	40°C (104°F) 102%
	25°C (77°F) 100%
Capacity Affected by Temp.	0°C (32°F) 85%
	-15°C(5°F) 65%
	Container Material

APPLICATION

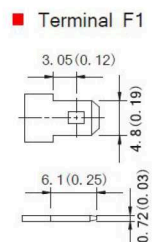
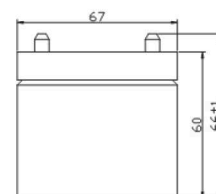
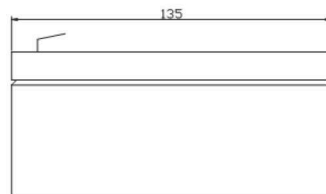
All Purpose
 UPS
 Signal Light
 Alarm and Security System
 DC Power Supply
 Auto Control System

APPLICABLE STANDARDS

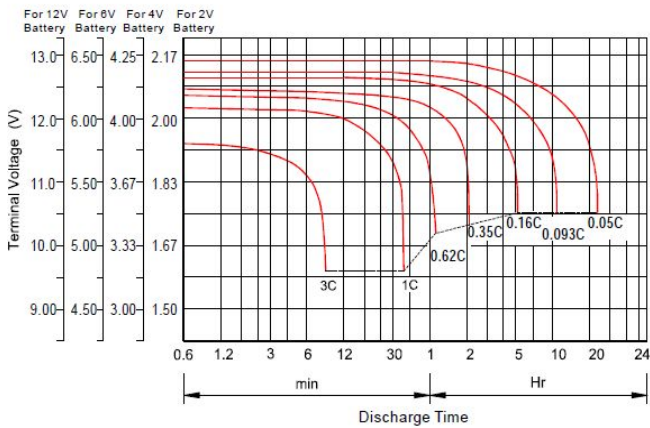


OUTER DIMENSION

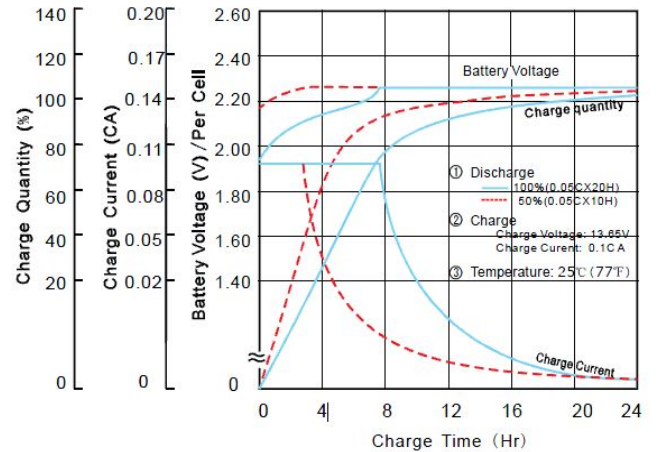
Length
134mm(5.28inches)
Width
67mm(2.64inches)
Height
61mm(2.40inches)
Total height
66mm(2.60inches)



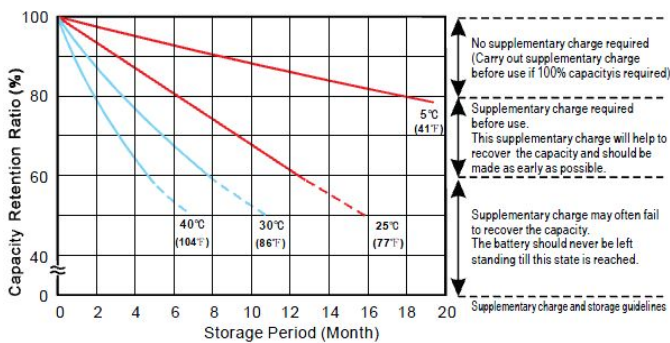
Discharge Characteristics@25°C



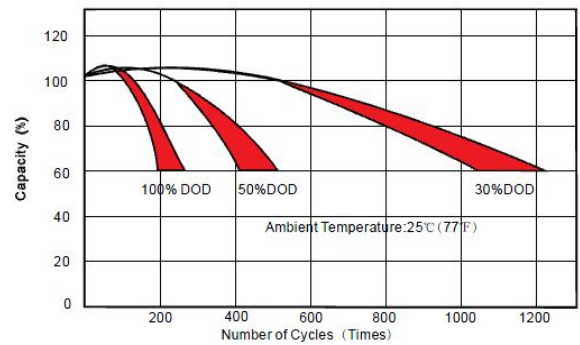
Charge Characteristics(Standby Use)



Capacity Retention Characteristics



Cycle Service life



Charging Procedure

Application	Constant Voltage Charge (V/Cell)			Max. Charge Current
	Temp.	Set Point	Allowable Range	
Cycle Use	25°C	2.425	2.40-2.45	0.3C
Standby Use	25°C	2.275	2.25-2.30	

Discharge Current VS Discharge Voltage

Final Discharge Voltage	1.75	1.7	1.6	1.3
Discharge Current (A)	0.2C > A	0.2C < A < 0.5C	0.5C < A < 1C	A > 1C

Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5Min	10Min	15Min	30Min	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V/Cell	12.4	8.18	6.18	3.80	2.12	1.17	0.86	0.69	0.58	0.39	0.32	0.17
1.65V/Cell	11.9	8.02	5.94	3.71	2.06	1.15	0.85	0.68	0.58	0.38	0.31	0.17
1.70V/Cell	11.4	7.82	5.67	3.61	1.99	1.12	0.83	0.67	0.57	0.38	0.31	0.17
1.75V/Cell	10.4	7.31	5.30	3.49	1.93	1.10	0.82	0.63	0.57	0.37	0.31	0.17
1.80V/Cell	9.95	6.99	4.94	3.39	1.85	1.07	0.81	0.62	0.54	0.37	0.30	0.16
1.85V/Cell	9.21	6.58	4.59	3.30	1.79	1.04	0.76	0.61	0.52	0.36	0.29	0.16

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

F.V/Time	5Min	10Min	15Min	30Min	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60 Volt	129	88.0	65.8	41.0	23.2	13.0	9.65	7.80	6.70	4.43	3.63	2.00
1.65 Volt	126	87.9	64.7	40.9	23.2	12.9	9.65	7.77	6.69	4.43	3.63	1.98
1.70 Volt	122	87.6	63.3	40.8	23.0	12.9	9.64	7.76	6.69	4.41	3.62	1.95
1.75 Volt	114	83.0	60.5	40.1	22.3	12.7	9.52	7.43	6.62	4.41	3.62	1.94
1.80 Volt	112	80.8	57.0	39.1	21.5	12.5	9.54	7.32	6.37	4.32	3.56	1.95
1.85 Volt	104	76.2	53.5	38.7	20.9	12.3	9.07	7.30	6.18	4.27	3.54	1.91

