

DC2-250(2V250Ah)



Specification

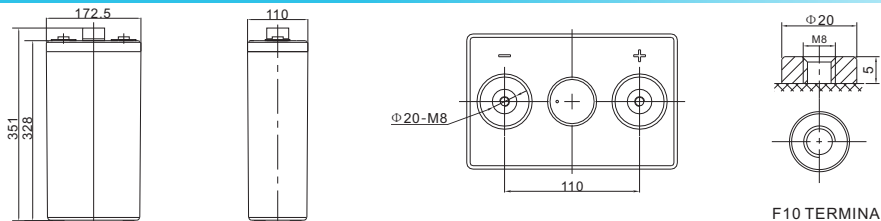
Cells Per Unit	1
Voltage Per Unit	2
Capacity	250Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 15.1 Kg (Tolerance ±3%)
Internal Resistance	Approx. 0.76 mΩ
Terminal	F10(M8)
Max. Discharge Current	1250A (5 sec)
Design Life	20 years (floating charge)
Maximum Charging Current	50.0 A
Reference Capacity	C1 154.4AH C3 195.6AH C5 220.1AH C10 250.1AH
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offers 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, RV, telecom, broadband and cable TV, UPS systems etc.



Dimensions



Length	172.5±1mm (6.79 inches)
Width	110±1mm (4.33 inches)
Height	328±1mm (12.9 inches)
Total Height	351±1mm (13.8 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F. V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	392.4	246.7	154.4	93.41	69.62	55.06	46.41	31.67	26.83
1.65V	392.4	241.5	151.5	91.82	68.56	54.31	45.83	31.32	26.56
1.70V	376.5	234.7	147.7	89.71	67.14	53.30	45.07	30.85	26.20
1.75V	355.2	225.4	142.4	86.83	65.20	51.91	44.01	30.20	25.71
1.80V	326.4	212.6	135.1	82.84	62.50	49.98	42.54	29.29	25.01
1.85V	286.7	194.5	124.8	77.13	58.63	47.19	40.40	27.96	23.99

Constant Power Discharge Characteristics : WPC(25°C)

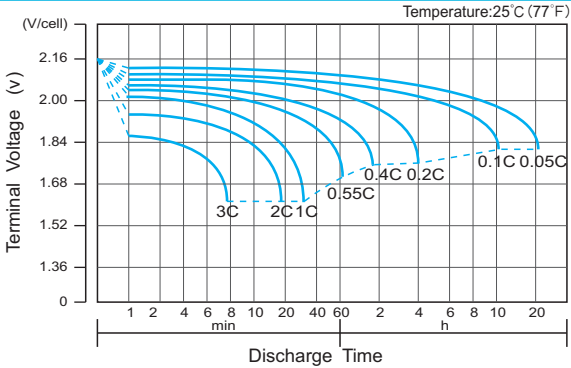
F. V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	686.0	448.1	288.8	177.0	133.0	105.7	89.46	61.86	52.75
1.65V	700.5	445.3	286.3	175.3	131.7	104.8	88.80	61.36	52.32
1.70V	678.0	435.1	280.0	171.8	129.3	103.1	87.49	60.51	51.65
1.75V	648.8	422.1	271.3	167.0	126.1	100.8	85.74	59.35	50.73
1.80V	604.7	402.2	258.7	160.2	121.4	97.39	83.16	57.69	49.41
1.85V	538.8	371.6	240.6	150.0	114.4	92.30	79.25	55.21	47.48

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

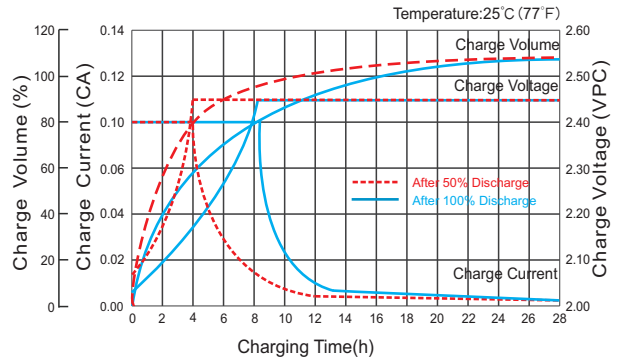
DC2-250(2V250Ah)



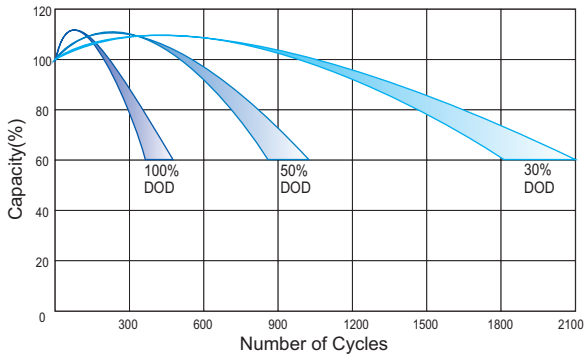
Discharge Characteristics Curve



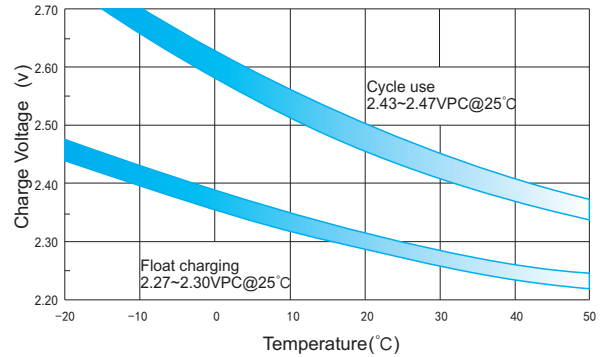
Charge Characteristic Curve for Cycle Use(IU)



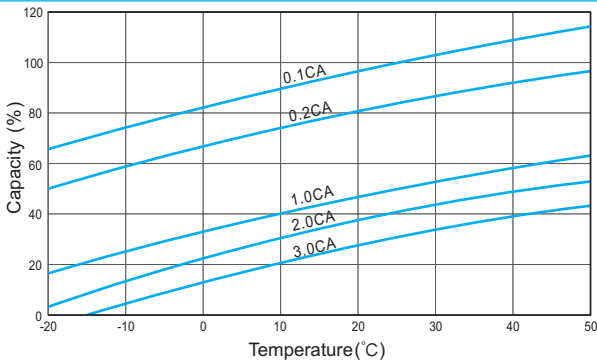
Cycle Life in Relation to Depth of Discharge



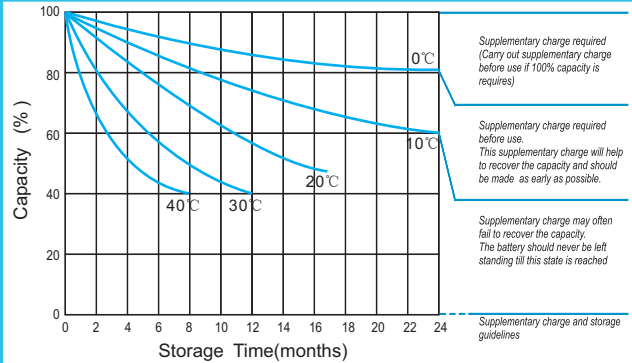
Relationship Between Charging Voltage and Temperature



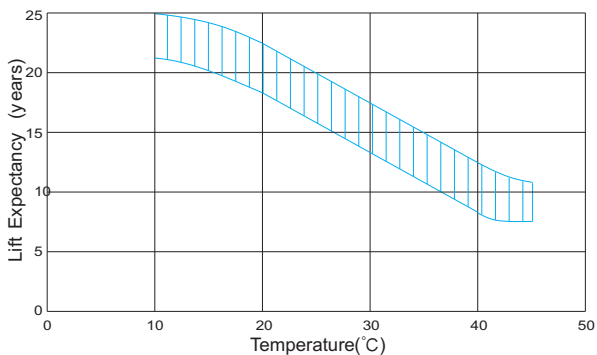
Temperature Effects on Capacity



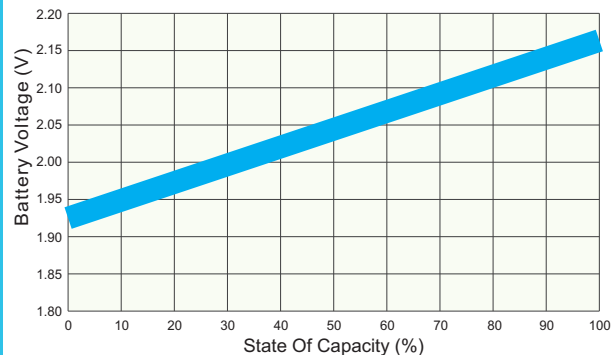
Storage Characteristics



Effect of Temperature on Long Term Life



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



For Battery Sales + EPA Battery Recycling and AC / DC Power Services, please contact:
Moore & Moore Solutions, Inc.
 Phone: 484-302-7009
 Email: mr@mooreu.com
www.MooreU.com