



Specification Sheet

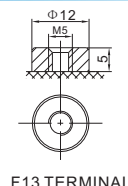
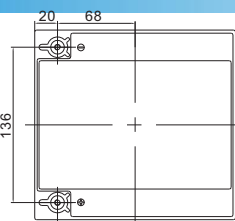
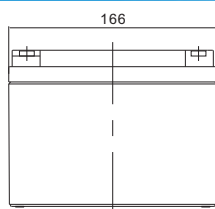
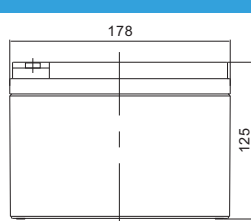
Deep Cycle VRLA Battery

DC12-26 (12V26Ah)

Cells Per Unit	6
Voltage Per Unit	12
	26Ah@20hr-rate to 1.75V per cell @25
Weight	Approx. 7.7 Kg (Tolerance $\pm 3.0\%$)
Internal Resistance	Approx. 9.6 m Ω
Terminal	F3(M5)/F13(M5)/T24(M5)
Max. Discharge Current	260A (5 sec)
Design Life	12 years (floating charge)
Max. Charging Current	7.8 A
Reference Capacity	C3 19.50AH C5 22.10AH C10 23.66AH C20 26.00AH
Float Charging Voltage	13.7 V~13.9 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6 V~14.8 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 $\pm 5^\circ\text{C}$
Self Discharge	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 charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Dimensions



F13 TERMINAL

Length	166±1.5mm (6.54 inches)
Width	178±1.5mm (7.00 inches)
Height	125±1.5mm (4.92 inches)
Total Height	125±1.5mm (4.92 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	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	97.93	63.87	47.12	27.32	15.06	9.785	7.113	5.164	4.782	3.195	2.541	1.343
1.65V	94.39	61.96	45.88	26.60	14.77	9.642	7.019	5.094	4.726	3.163	2.502	1.322
1.70V	89.79	59.47	44.26	25.98	14.38	9.451	6.893	5.002	4.653	3.120	2.458	1.315
1.75V	83.88	56.24	42.15	24.92	14.07	9.199	6.503	4.786	4.421	3.063	2.407	1.298
1.80V	76.42	52.11	39.43	23.45	13.30	8.868	6.466	4.712	4.326	2.987	2.366	1.272
1.85V	67.25	46.95	36.00	21.86	12.45	8.437	6.218	4.497	4.256	2.887	2.322	1.247

Constant Power Discharge Characteristics : WPC (25°C)

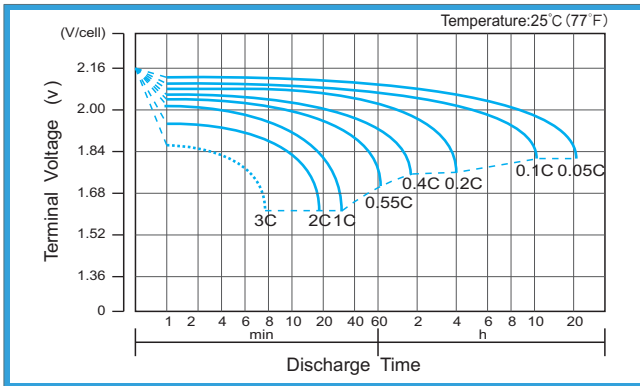
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	168.6	110.2	83.6	50.27	29.90	18.82	13.79	11.04	9.36	6.33	5.19	2.91
1.65V	166.8	109.7	83.1	49.90	29.66	18.68	13.69	10.96	9.29	6.29	5.15	2.69
1.70V	160.4	106.5	80.9	48.69	29.02	18.37	13.48	10.80	9.17	6.21	5.09	2.66
1.75V	152.6	102.5	78.1	47.22	28.18	17.96	13.21	10.60	9.01	6.11	5.01	2.63
1.80V	141.4	96.66	74.1	45.12	27.02	17.40	12.83	10.31	8.78	5.97	4.90	2.58
1.85V	126.7	88.63	68.6	42.24	25.54	16.65	12.31	9.92	8.47	5.79	4.75	2.51

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

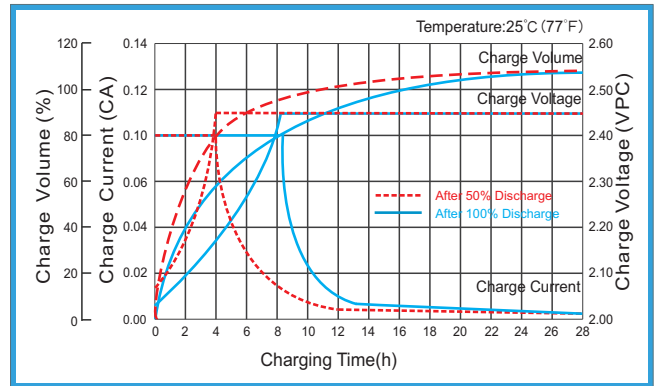
DC12-26 (12v26Ah-20HR)



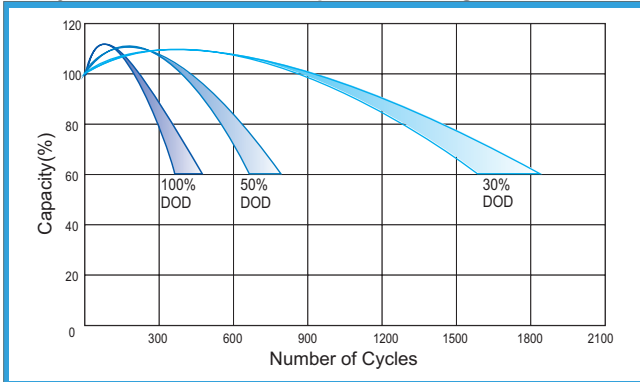
Discharge Characteristics Curve



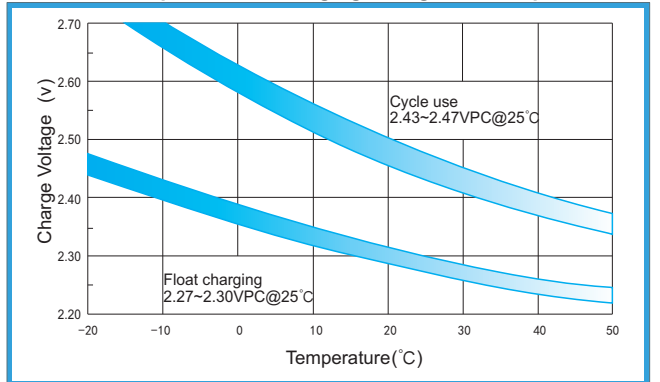
Charge Characteristic Curve for Cycle Use(IU)



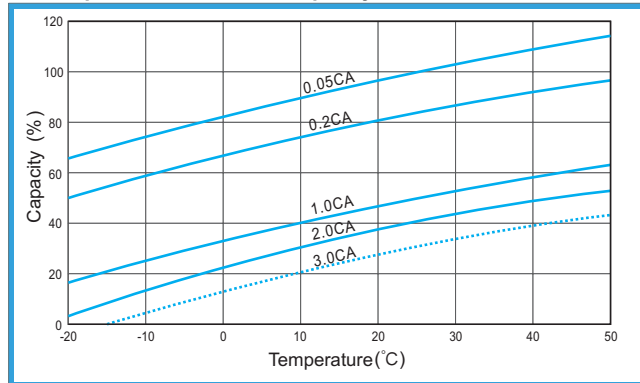
Cycle Life in Relation to Depth of Discharge



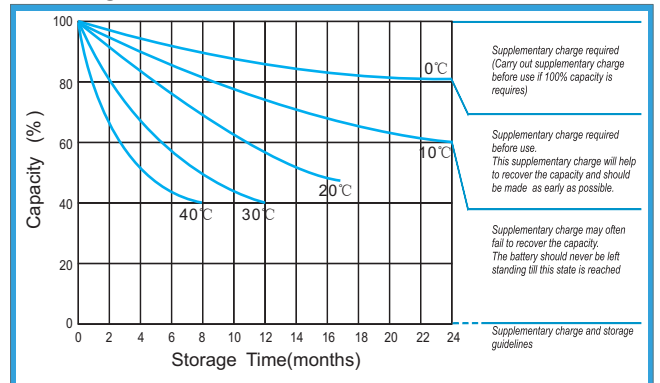
Relationship Between Charging Voltage and Temperature



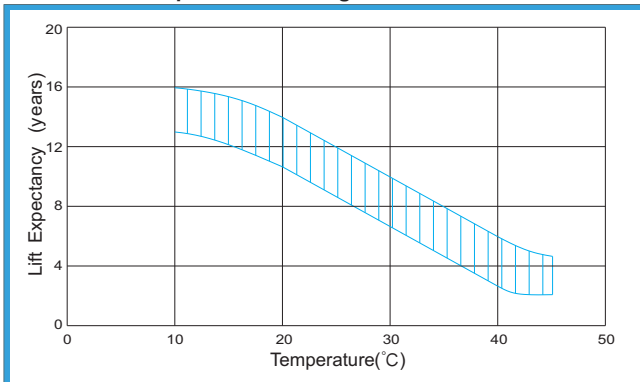
Temperature Effects on Capacity



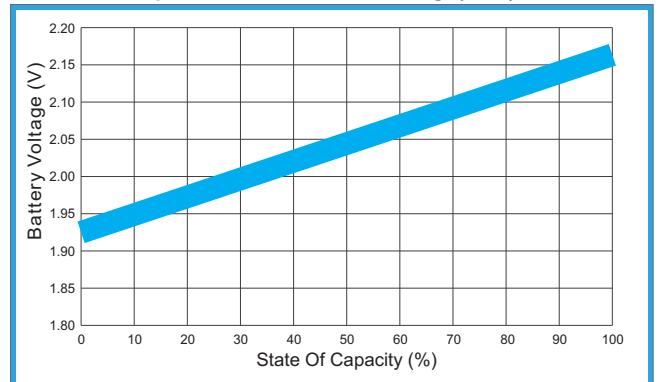
Storage Characteristics



Effect of Temperature on Long Term Life



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



(Note) All above information shall be changed without prior notice, AxiWin reserves the right to explain and update the latest information.