



Tropicana 12V 26 Ah SMF/VRLA Battery

TP 26- 12

Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	26Ah@20hr-rate to 1.75V per cell @25C °
Weight	Approx. 8.10 Kg
Max. Discharge Current	260 A (5 sec)
Internal Resistance	Approx. 10 mΩ
Operating Temperature Range	Discharge: -20 °C~60°C Charge: 0C~50C ° Storage: -20C~60C °
Normal Operating Temperature Range	25C± 5C
Float charging Voltage	13.7 to 13.9 VDC/unit Average at 25C °
Recommended Maximum Charging Current Limit	7.8 A
Equalization and Cycle Service	14.6 to 14.8 VDC/unit Average at 25C °
Self Discharge	Tropicana Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25C. Self-discharge ratio less than 3% per month at 25C. Please charge batteries before using.
Terminal	Faston F3/F13
Constainer Material	A.B.S. (UL94-HB) ,

Certified



9001-2008

Compliance



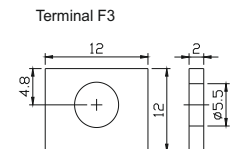
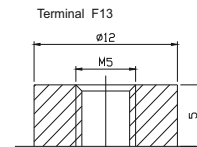
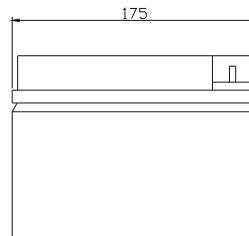
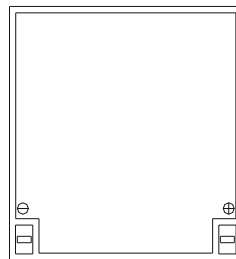
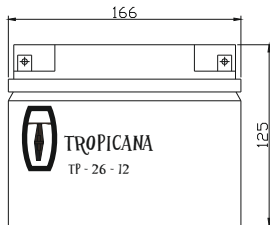
JIS 8702C,
Pt-I,II,III



IEC 60896
21 & 22

Dimensions

Unit: mm Dimension: 166(L) × 175(W) × 125(H)



Constant Current Discharge Characteristics : A(25C) °

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	100.4	66.54	52.16	29.89	17.85	10.28	7.093	5.591	4.643	3.002	2.599	1.459
10.0V	96.81	64.88	50.49	29.51	17.36	10.07	6.962	5.513	4.565	2.990	2.572	1.406
10.2V	91.12	61.67	49.08	29.05	17.20	9.97	6.900	5.459	4.515	2.963	2.533	1.380
10.5V	81.91	57.66	46.30	28.25	16.86	9.84	6.838	5.406	4.460	2.937	2.520	1.339
10.8V	73.39	53.78	43.68	27.32	16.56	9.76	6.759	5.380	4.413	2.925	2.478	1.260
11.1V	64.21	49.30	40.30	26.28	16.11	9.36	6.626	5.333	4.368	2.901	2.440	1.240

Constant Power Discharge Characteristics : W(25C) °

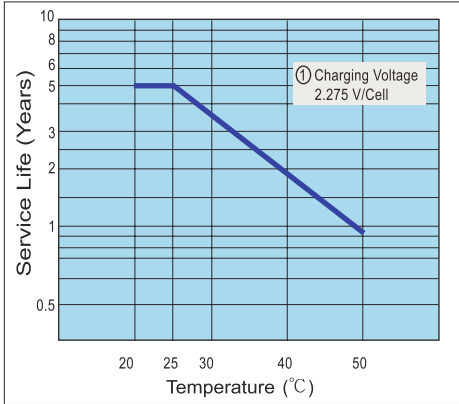
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	1057	707.7	558.4	342.1	207.3	119.9	81.66	66.16	54.96	35.95	31.14	17.48
10.0V	1029	693.1	550.4	338.6	204.2	118.9	81.50	66.00	54.68	35.81	30.84	16.86
10.2V	978.8	665.6	543.1	335.7	202.7	118.2	81.19	65.46	54.15	35.54	30.55	16.55
10.5V	893.4	638.2	514.8	328.8	200.0	117.2	80.86	64.86	53.51	35.24	30.23	16.08
10.8V	806.0	597.0	486.4	321.0	196.7	116.2	79.92	64.62	52.95	35.09	29.77	15.15
11.1V	710.8	555.8	458.1	312.2	193.0	112.2	78.35	63.97	52.45	34.84	29.33	14.91

All mentioned values are average values.

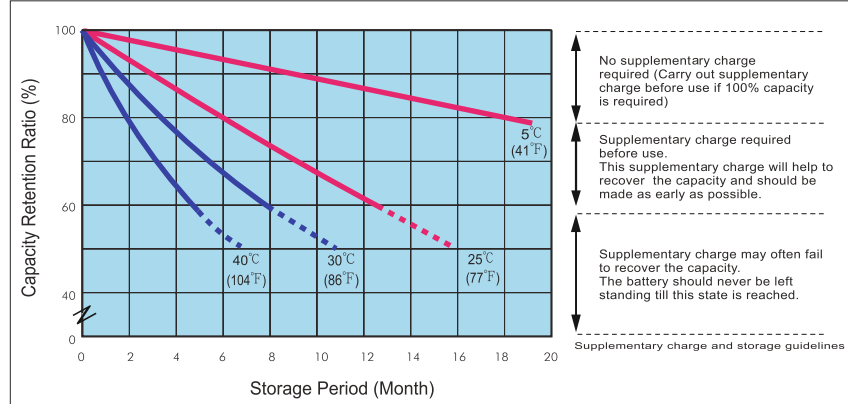


Tropicana 12V Series SMF/VRLA Battery

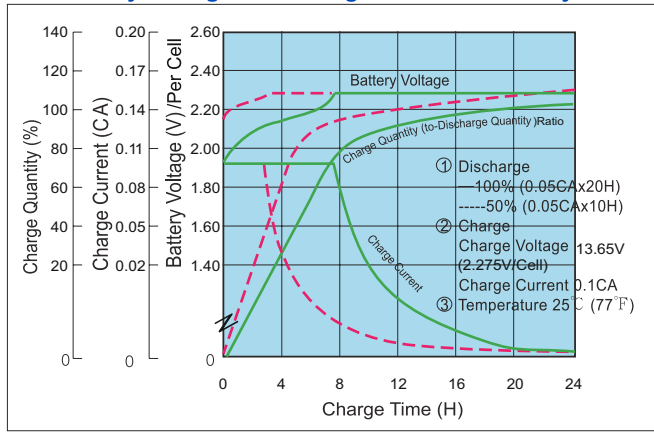
Trickle (or Float) Service Life



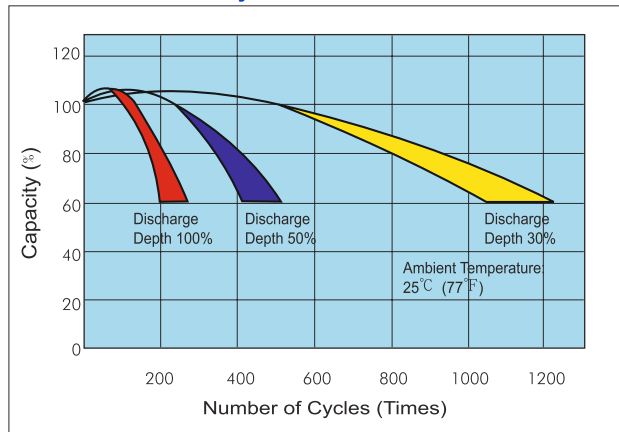
Capacity Retention Characteristic



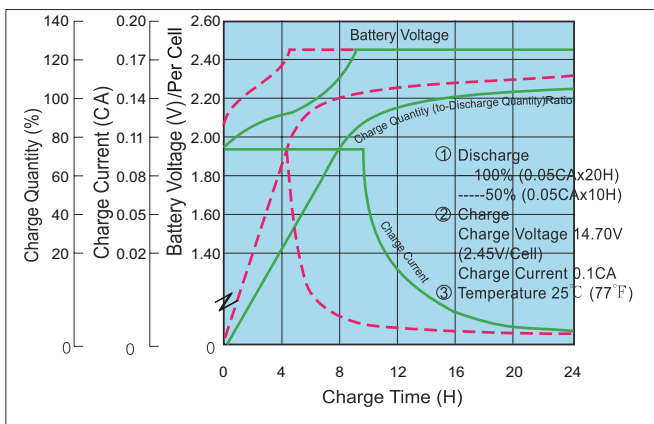
Battery Voltage and Charge Time for Standby Use



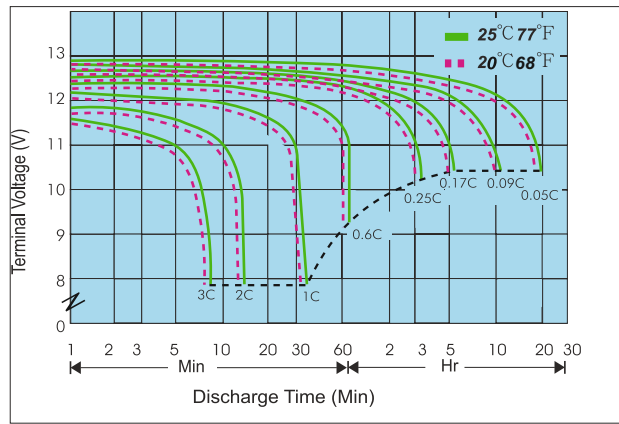
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time



Charging Procedures

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.3C
Standby	25°C(77°F)	2.275	2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

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