FT12-100S(12V100Ah)

Specification

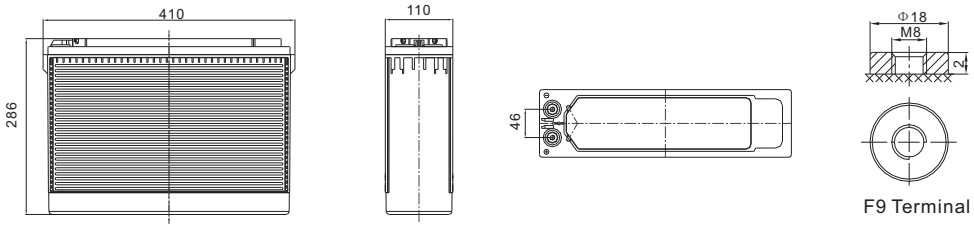
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	100Ah@10hr-rate to 1.80V per cell @25℃
Weight	Approx. 31.0 Kg (Tolerance±2%)
Internal Resistance	Approx. 5.5 mΩ
Terminal	F9(M8)
Max. Discharge Current	1000A (5 sec)
Design Life	12 years (Float charging)
Recommended Maximum Charging Current	30 A
Reference Capacity	C3 75.3AH C5 86.5AH C10 100.0AH C20 105.8AH
Standby Use Voltage	13.6 V~13.8 V @ 25℃ Temperature Compensation: -3mV/℃/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25℃ Temperature Compensation: -4mV/℃/Cell
Operating Temperature Range	Discharge: -20℃~60℃ Charge: 0℃~50℃ Storage: -20℃~60℃
Normal Operating Temperature Range	25℃±5℃
Self Discharge	RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25℃ and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25℃.Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

FT (Front Terminal) Series is specially designed for telecom use with 12 years design life in float service. By adopting a new AGM separator and centralized venting system, the battery can be installed in any position while maintaining high reliability. The dimensions of the FT series are designed for 19" and 23" cabinet installation. It is suitable for telecom EPS/EPS, applications.

MH28539

G4M20206-0910-E-16

Dimensions



Length	410±2mm (16.1 inches)
Width	110±2mm (4.33 inches)
Height	286±2mm (11.3 inches)
Total Height	286±2mm (11.3 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℃)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	179.5	104.9	61.6	36.9	26.5	21.6	18.2	12.4	10.6	5.47
1.65V	174.8	102.6	60.4	36.3	26.2	21.3	18.0	12.3	10.5	5.42
1.70V	168.6	99.6	58.9	35.6	25.7	20.9	17.7	12.1	10.4	5.36
1.75V	160.5	95.6	56.9	34.7	25.1	20.5	17.3	11.9	10.2	5.29
1.80V	150.2	90.4	54.3	33.4	24.3	19.8	16.8	11.6	10.0	5.18
1.85V	137.1	83.8	51.0	31.8	23.2	19.0	16.2	11.2	9.68	5.05

Constant Power Discharge Characteristics : WPC (25℃)

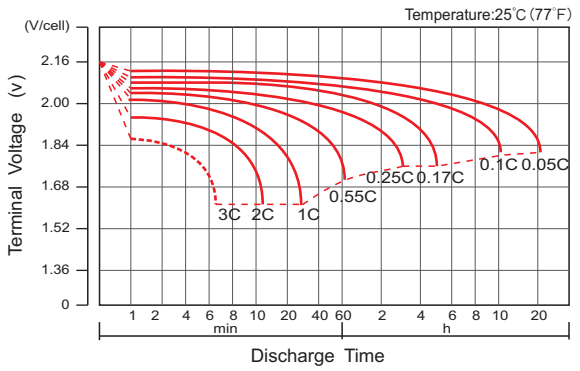
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	318	193	117	71.0	51.4	42.0	35.6	24.6	21.2	10.9
1.65V	317	192	116	70.4	51.1	41.7	35.4	24.4	21.1	10.9
1.70V	308	187	113	69.3	50.3	41.1	34.9	24.1	20.8	10.8
1.75V	298	182	110	67.7	49.3	40.3	34.3	23.7	20.5	10.6
1.80V	282	174	106	65.6	47.8	39.2	33.4	23.2	20.0	10.4
1.85V	261	163	99.8	62.8	45.9	37.8	32.2	22.5	19.4	10.2

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

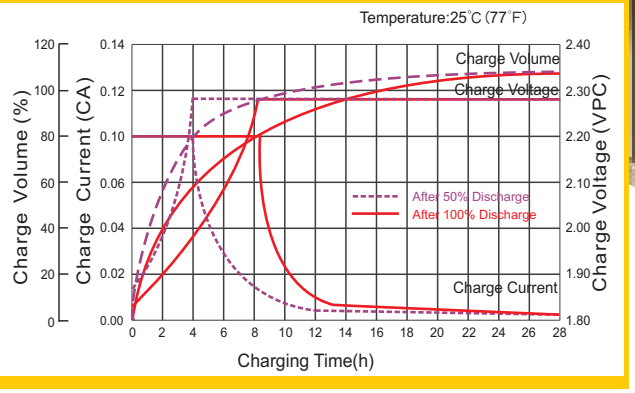
FT12-100S(12V100Ah)

RITAR®

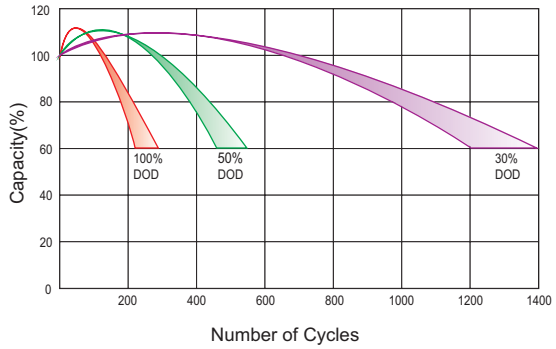
Discharge Characteristics Curve



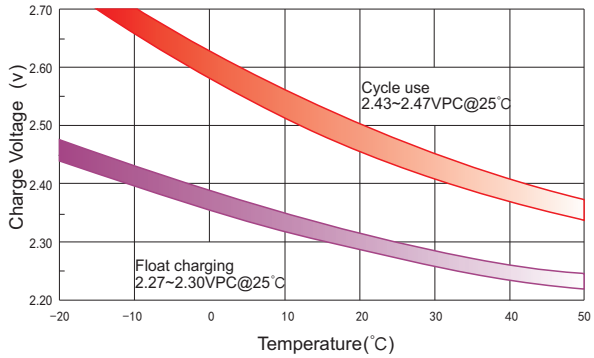
Charge Characteristic Curve For Standby Use



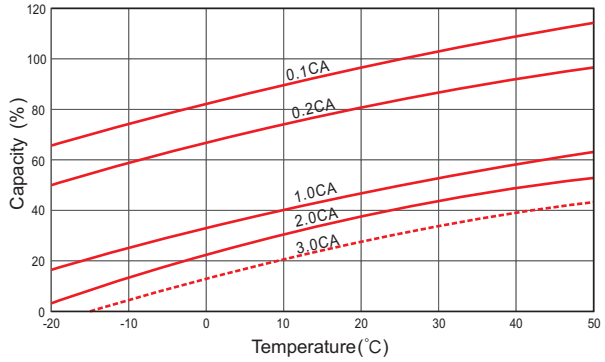
Cycle Life In Relation To Depth Of Discharge



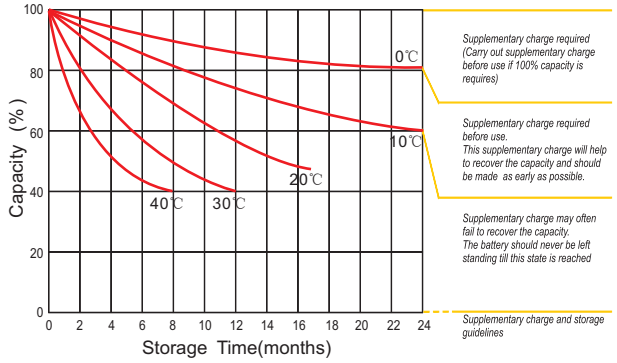
Relationship Between Charging Voltage And Temperature



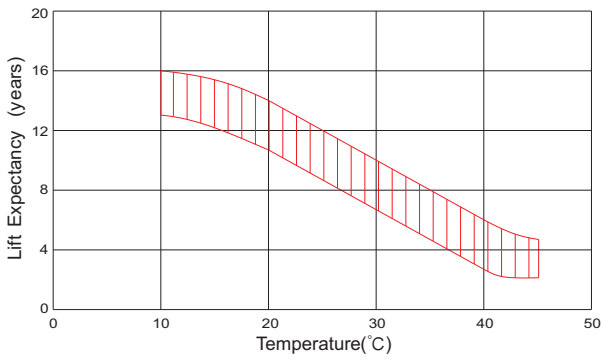
Temperature Effects On Capacity



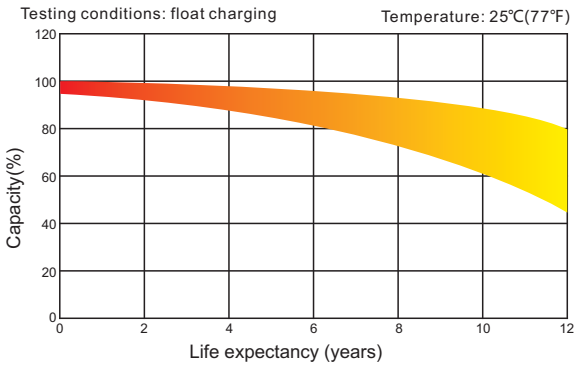
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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