FT12-105(12V105Ah)

Specification

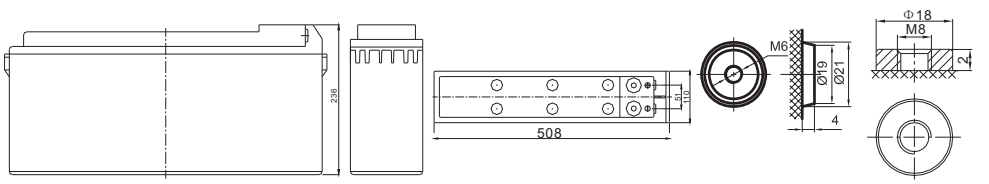
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	105Ah@10hr-rate to 1.80V per cell @25℃
Weight	Approx. 32.5 Kg (Tolerance±2%)
Internal Resistance	Approx. 6.5 mΩ
Terminal	F14(M8)/F8(M8)
Max. Discharge Current	1050A (5 sec)
Design Life	12 years (Float charging)
Recommended Maximum Charging Current	31.5 A
Reference Capacity	C3 78.3AH C5 90.0AH C10 105.0AH C20 111.1AH
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



F8 Terminal F14 Terminal

Length	508±2mm (20.0 inches)
Width	110±2mm (4.33 inches)
Height	236±2mm (9.29 inches)
Total Height	236±2mm (9.29 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	186.6	109.1	64.0	38.3	27.6	22.4	18.9	12.9	11.2	5.74
1.65V	181.7	106.7	62.8	37.8	27.2	22.1	18.7	12.8	11.1	5.69
1.70V	175.2	103.5	61.2	37.0	26.7	21.8	18.4	12.6	10.9	5.63
1.75V	166.9	99.4	59.2	36.0	26.1	21.3	18.0	12.4	10.7	5.55
1.80V	156.1	94.0	56.5	34.7	25.2	20.6	17.5	12.1	10.5	5.44
1.85V	142.5	87.1	53.0	33.1	24.1	19.8	16.8	11.7	10.2	5.30

Constant Power Discharge Characteristics : WPC (25℃)

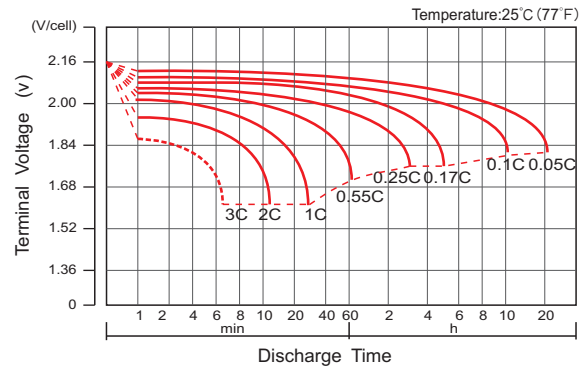
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	331	201	121	73.8	53.5	43.7	37.0	25.6	22.3	11.5
1.65V	329	200	120	73.2	53.1	43.3	36.8	25.4	22.1	11.4
1.70V	320	195	118	72.0	52.3	42.7	36.3	25.1	21.9	11.3
1.75V	309	189	114	70.4	51.2	41.9	35.6	24.7	21.5	11.1
1.80V	294	180	110	68.2	49.7	40.8	34.7	24.1	21.0	10.9
1.85V	272	169	104	65.2	47.8	39.2	33.5	23.4	20.4	10.7

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

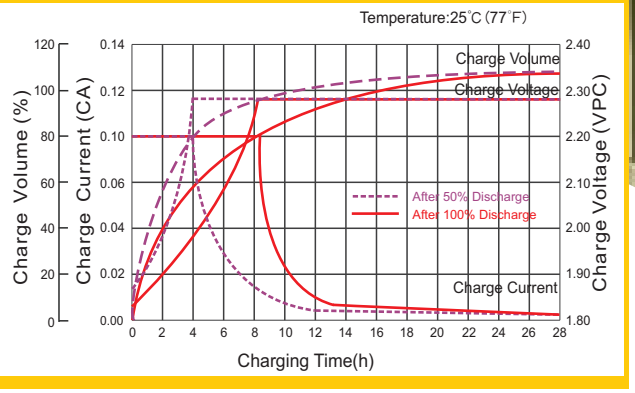
FT12-105(12V105Ah)

RITAR®

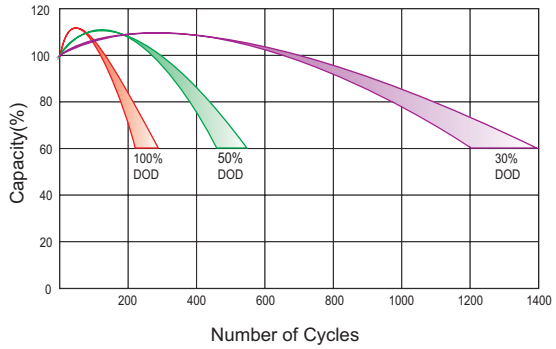
Discharge Characteristics Curve



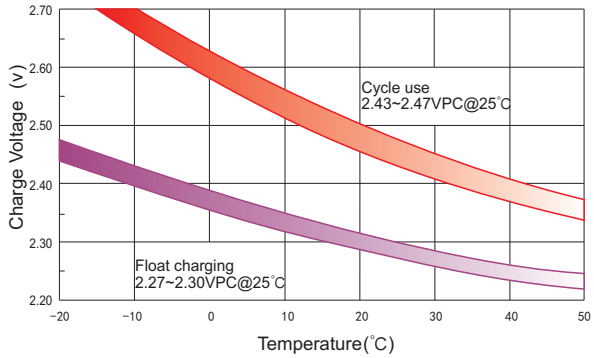
Charge Characteristic Curve For Standby Use



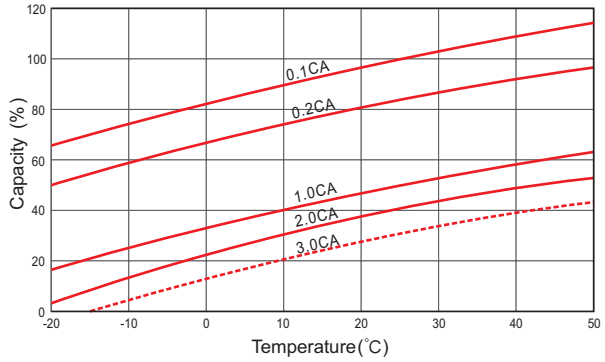
Cycle Life In Relation To Depth Of Discharge



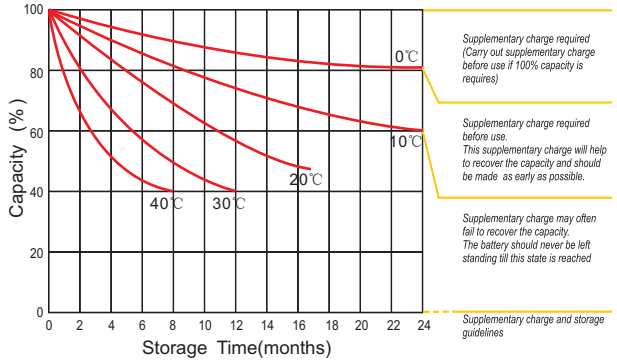
Relationship Between Charging Voltage And Temperature



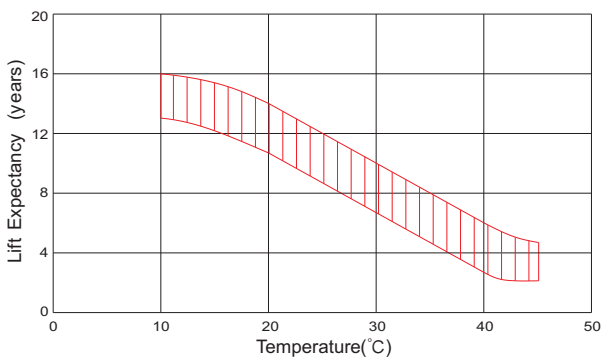
Temperature Effects On Capacity



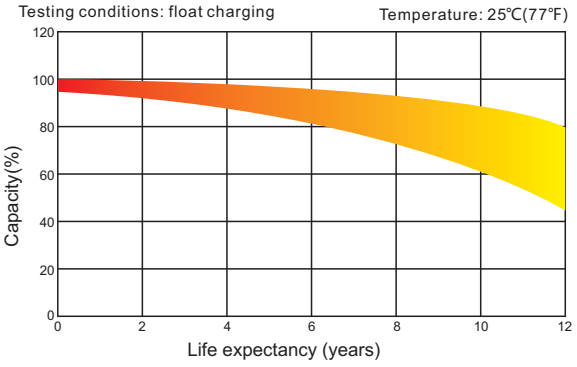
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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

SHENZHEN RITAR POWER CO.,LTD.
URL: www.ritarpower.com

Add: 10th Floor, Tower C, 1st Building, Software Industry Base, No.81, Xuefu Road, Nanshan District, Shenzhen, Guangdong, China 518057
Tel: +86-755-33981668/83475380 Fax: +86-755-83475180 E-mail: sales@ritarpower.com Version 17A-0