



FT12-260(12V260Ah)

Specification

Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	260Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 73.5 Kg (Tolerance ± 1.5%)
Internal Resistance	Approx. 3.5 mΩ
Terminal	F10(M8)
Max. Discharge Current	2600A (5 sec)
Design Life	12 years (Float charging)
Recommended Maximum Charging Current	78 A
Reference Capacity	C3 193.8AH C5 223.0AH C10 260.0AH C20 274.0AH
Standby Use Voltage	13.6 V~13.8 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 ± 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.



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/UPS applications.



Dimensions

Length	694±2mm (27.3 inches)
Width	133±2mm (5.24 inches)
Height	311±2mm (12.2 inches)
Total Height	311±2mm (12.2 inches)

Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

F10 Terminal Unit: mm

Constant Current Discharge Characteristics : A (25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	438.8	267.4	156.9	94.0	68.3	55.5	46.8	31.9	27.7	14.2
1.65V	427.3	261.5	154.0	92.6	67.4	54.8	46.3	31.6	27.4	14.1
1.70V	412.2	253.7	150.1	90.8	66.2	53.9	45.6	31.2	27.1	13.9
1.75V	392.5	243.6	145.1	88.4	64.6	52.7	44.6	30.6	26.6	13.7
1.80V	367.2	230.4	138.5	85.2	62.5	51.1	43.4	29.9	26.0	13.5
1.85V	335.3	213.6	130.0	81.0	59.7	48.9	41.7	28.9	25.2	13.1

Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	778.7	492.9	297.8	180.8	132.4	108.1	91.6	63.3	55.2	28.4
1.65V	774.3	489.3	295.3	179.5	131.5	107.3	91.0	62.9	54.8	28.2
1.70V	753.4	477.4	289.0	176.5	129.4	105.8	89.8	62.1	54.2	28.0
1.75V	727.8	463.0	280.6	172.6	126.8	103.8	88.2	61.1	53.3	27.6
1.80V	690.5	442.4	269.1	167.2	123.2	101.0	86.0	59.7	52.1	27.1
1.85V	639.4	414.2	254.4	159.9	118.3	97.2	83.0	57.8	50.6	26.4

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

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Discharge Characteristics Curve



Charge Characteristic Curve For Standby Use



Cycle Life In Relation To Depth Of Discharge



Relationship Between Charging Voltage And Temperature



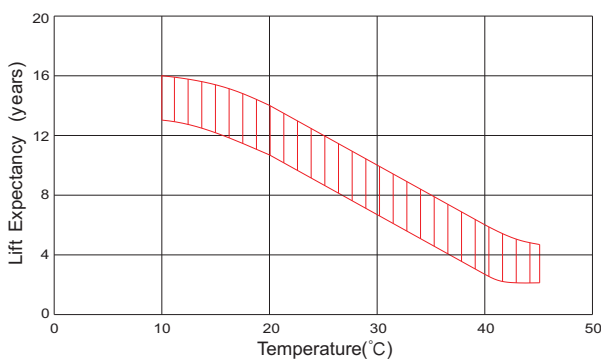
Temperature Effects On Capacity



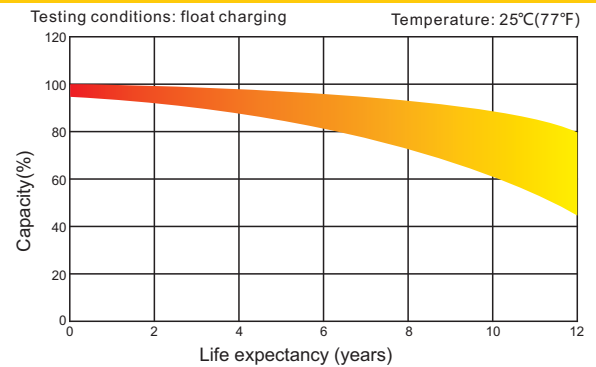
Storage Characteristics



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.