



# RA12-260(12V260Ah)

## Specification

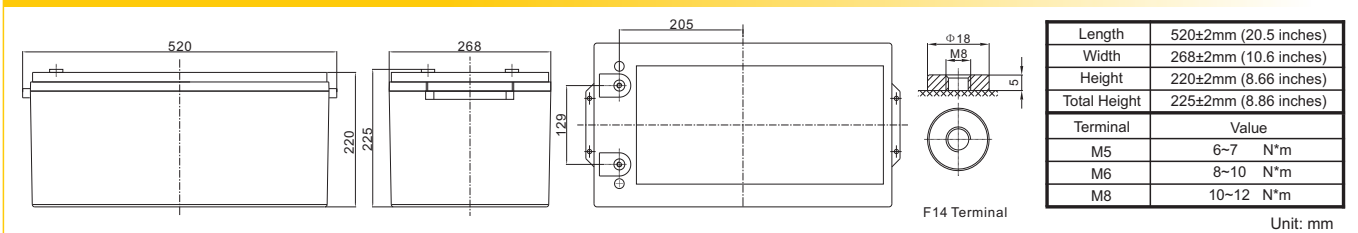
<b>Cells Per Unit</b>	6
<b>Voltage Per Unit</b>	12
<b>Nominal Capacity</b>	260Ah@10hour-rate to 1.80V per cell @25°C
<b>Weight</b>	Approx. 74.0 Kg (Tolerance ± 1.5%)
<b>Internal Resistance</b>	Approx. 3.5 mΩ
<b>Terminal</b>	F14(M8)
<b>Max. Discharge Current</b>	2600A (5 sec)
<b>Short Circuit Current</b>	4810A
<b>Design Life</b>	12 years (Float charging)
<b>Recommended Maximum Charging Current</b>	78 A
<b>Reference Capacity</b>	C3 201.9AH C5 232.5AH C10 260.0AH C20 274.0AH
<b>Standby Use Voltage</b>	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
<b>Cycle Use Voltage</b>	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
<b>Operating Temperature Range</b>	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
<b>Normal Operating Temperature Range</b>	25°C ± 5°C
<b>Self Discharge</b>	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 charge batteries before using.
<b>Container Material</b>	A.B.S. UL94-HB, UL94-V0 Optional.



RA series is a general purpose battery with 12 years design life in float service. It meets with IEC, JIS, BS and YDT standards. With advanced AGM valve regulated technology and high purity raw material, the RA series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, Telecom, power grid, medical equipment, emergency light and security system applications.



## Dimensions



### Constant Current Discharge Characteristics : A (25°C)

F.V/T ime	15 MIN	30 MIN	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
9.60V	440.4	272.8	160.1	95.9	71.1	57.8	48.8	32.6	27.7	14.2
10.0V	428.9	266.8	157.1	94.5	70.2	57.1	48.2	32.3	27.5	14.1
10.2V	413.7	258.9	153.2	92.6	68.9	56.1	47.5	31.8	27.1	13.9
10.5V	393.9	248.5	148.0	90.2	67.3	54.8	46.5	31.2	26.6	13.7
10.8V	368.5	235.1	141.3	86.9	65.1	53.2	45.1	30.5	26.0	13.5
11.1V	336.5	217.9	132.6	82.7	62.2	51.0	43.4	29.4	25.2	13.1

### Constant Power Discharge Characteristics : WPC (25°C)

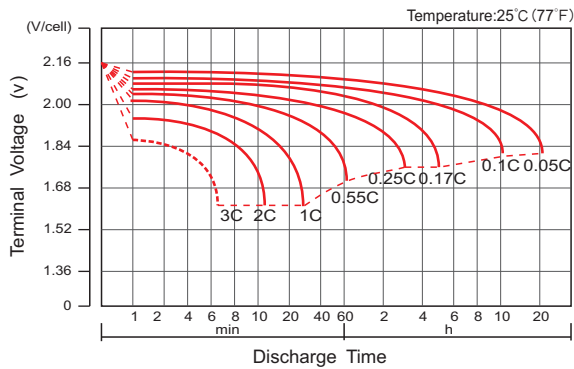
F.V/T ime	15 MIN	30 MIN	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
9.60V	781	503	304	184	138	113	95.4	64.6	55.3	28.4
10.0V	777	499	301	183	137	112	94.8	64.1	54.9	28.2
10.2V	756	487	295	180	135	110	93.5	63.4	54.2	28.0
10.5V	730	472	286	176	132	108	91.9	62.3	53.4	27.6
10.8V	693	451	275	171	128	105	89.6	60.9	52.2	27.1
11.1V	642	423	260	163	123	101	86.4	59.0	50.6	26.4

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

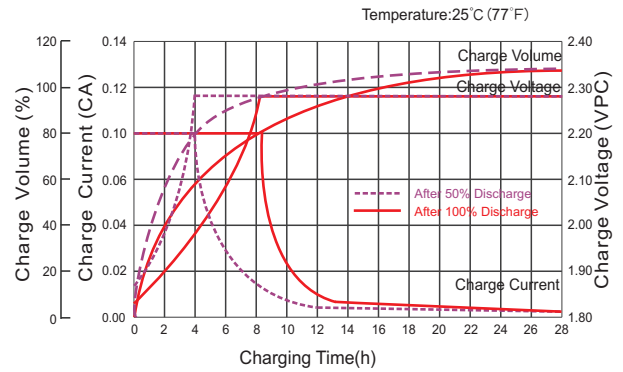
# RA12-260(12V260Ah)



## Discharge Characteristics Curve



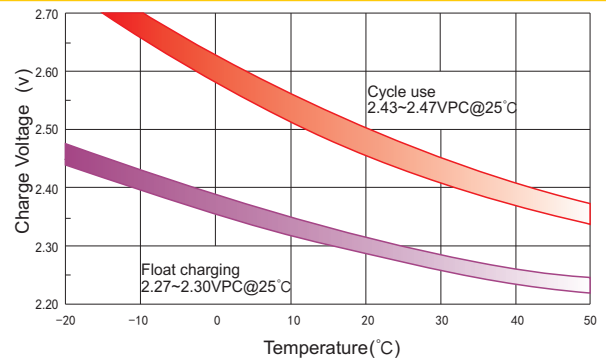
## Charge Characteristic Curve For Standby Use



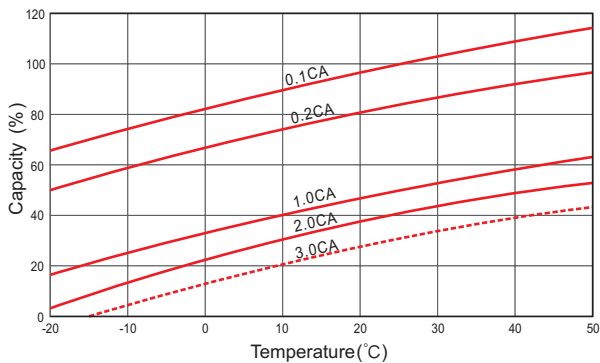
## Cycle Life In Relation To Depth Of Discharge



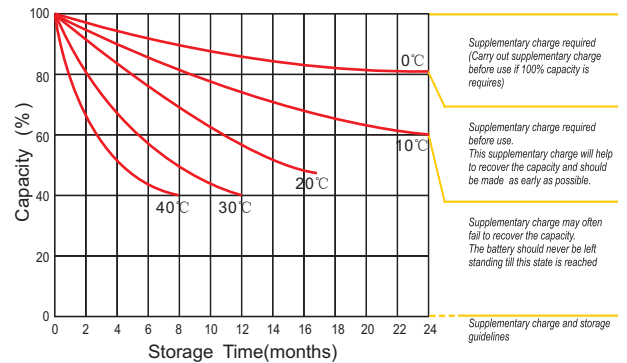
## Relationship Between Charging Voltage And Temperature



## 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.