

Powered by



BA12-250 ▶ 12V250Ah

BA12-250 is a general purpose battery up to 5 years in standby service or more than 260 cycles at 100% discharge in cycle service . As with all batteries, all are rechargeable , highly efficient , leak proof and maintenance free.

► Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	250Ah @ 10hr-rate to 1.75V per cell @25°C (77°F)
Weight	Approx. 70.2 kg(154.76 lbs)
Maximum Discharge Current	2000A(5sec)
Internal Resistance	Approx. 2.5mΩ
Operating Temperature Range	Discharge: -15°C~50°C (5°F~122°F) Charge: -15°C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating Temperature Range	25°C±3°C (77°F±5°F)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C (77°F)
Recommended Maximum Charging Current Limit	60 A
Equalization and Cycle Service	14.4 to 14.8 VDC/unit Average at 25°C (77°F)
Self Discharge	Baace Batteries can be stored for more than 6 months at 25°C (77°F). Please charge batteries before using . For higher temperatures the time interval will be shorter.
Terminal	L terminal to accept M8 nut & bolt
Container Material	ABS(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.



CTK20141211018

Baace-manufactured **VRLA** (Absorbent Glass Mat type) batteries are UL-recognized components under UL1989.

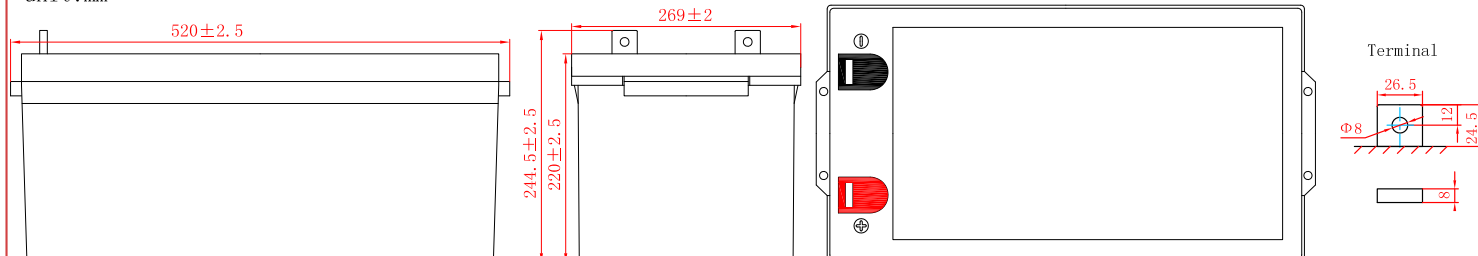
Baace is also certified by ISO 9001 and ISO 14001.

► Dimensions :

Unit: mm

Overall Height (H)	Container height (h)	Length (L)	Width (W)
244.5±2.5	220±2.5	520±2.5	269±2

unit:mm



Constant Current Discharge Characteristics Unit:A (25°C,77°F)

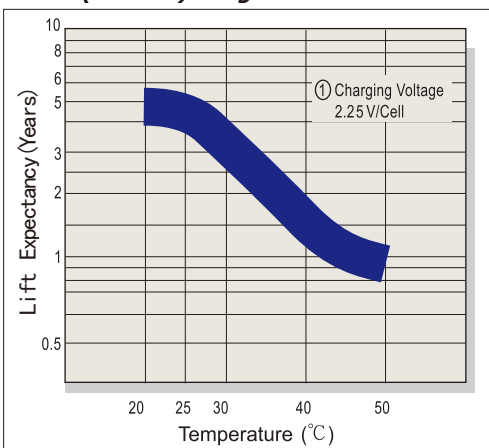
F.V/Time	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	521	392	253.0	156.9	68.5	44.74	25.44	13.64
1.67V	505	382	248.6	155.3	68.2	44.53	25.37	13.62
1.7V	486	369	242.7	152.5	67.5	44.20	25.26	13.56
1.75V	459	351	234.8	148.3	66.2	43.54	25.00	13.44
1.8V	420	325	224.1	141.7	63.6	42.24	24.54	13.21
1.85V	361	282	209.9	131.2	58.5	39.34	23.80	12.79

Constant Power Discharge Characteristics Unit:W (25°C,77°F)

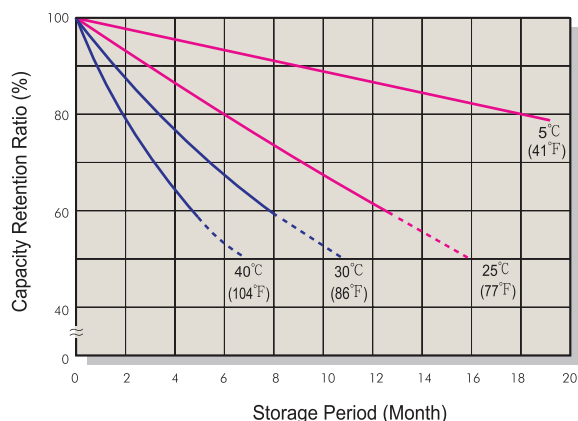
F.V/Time	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	1080	870	489.0	298.3	135.2	87.3	50.06	27.06
1.67V	1024	825	481.0	295.1	134.2	87.2	49.83	27.02
1.7V	957	771	470.9	291.0	132.8	86.8	49.53	26.92
1.75V	872	705	456.8	285.2	130.3	85.7	49.07	26.71
1.8V	767	624	436.6	276.4	125.3	83.2	48.28	26.27
1.85V	637	524	408.6	260.7	116.5	78.3	47.07	25.44

Ratings presented herein are subject to revision without notice. Please refer to www.zonaindustrial.cl to confirm the latest version.

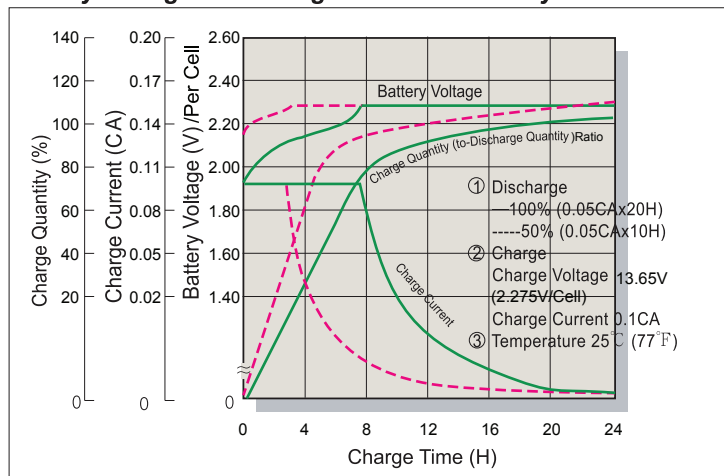
Trickle(or Float)Design Life



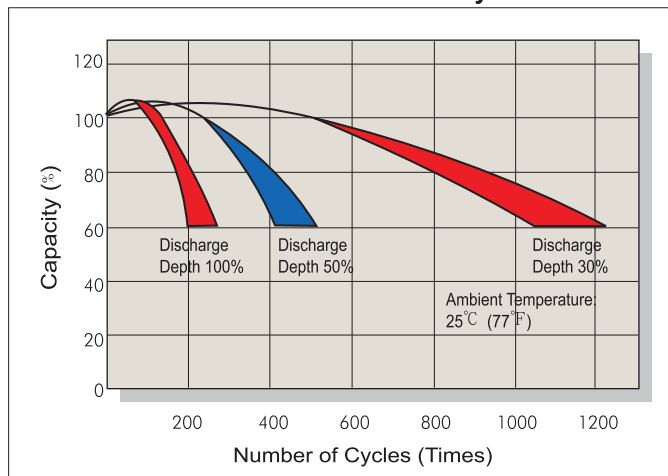
Capacity Retention Characteristic



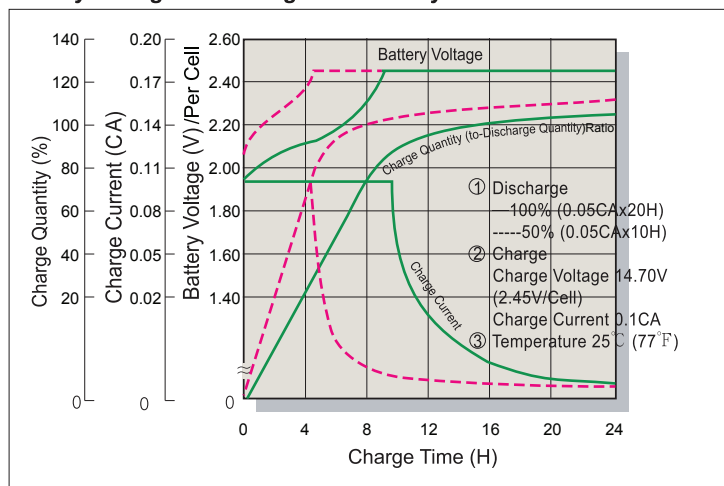
Battery Voltage and Charge Time for Standby Use



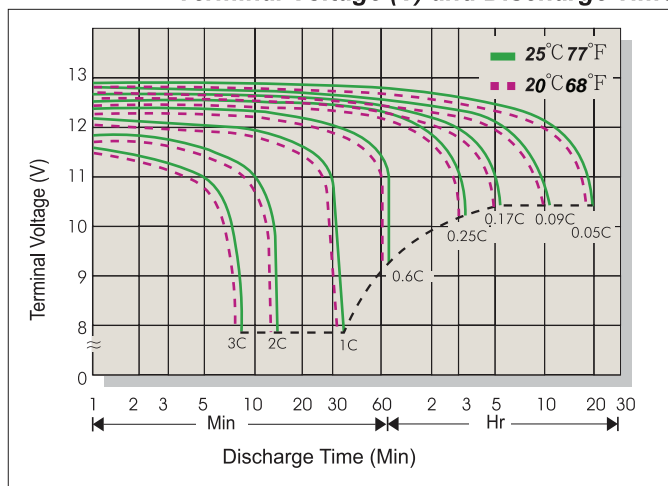
Cycle Service Life



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	1.65	1.60
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

Effect of temperature on capacity (10HR)

Temperature	Dependency of Capacity (10HR)
40 °C	102%
25 °C	100%
0 °C	85%
-15 °C	65%

Self-discharge Characteristics

Charge Voltage(V/Cell)	Charge Voltage(V/Cell)
3 Months	91%
6 Months	82%
12 Months	64%