

SB200-12

AGM BATTERY 200Ah 12V



SB series is a general purpose battery with 10 years design life in float service. It meets with IEC, JIS and BS standards. With up-dated AGM valve regulated technology and high purity raw materials, the SB series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, solar, medical equipment, emergency light and security system applications.

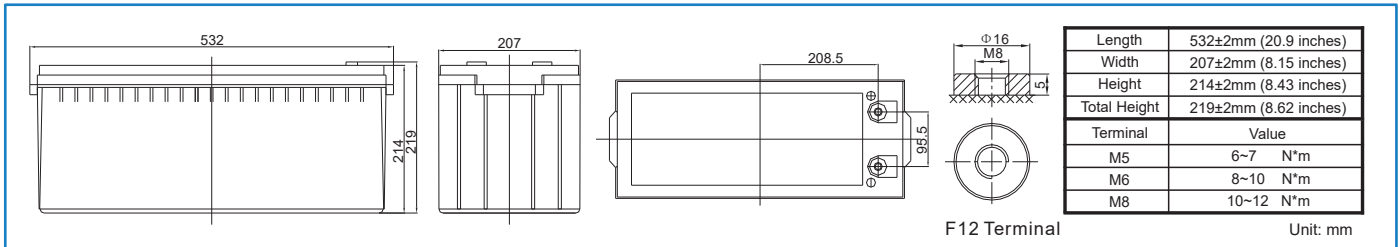


Specification

Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	200Ah@10hour-rate to 1.80V per cell @25
Weight	Approx. 52.0 Kg (Tolerance± 1.5%)
Internal Resistance	Approx. 4 mΩ
Terminal	F16(M8)/F10(M8)
Max. Discharge Current	2000A (5 sec)
Short Circuit Current	3430A
Design Life	12 years (Float charging)
Recommended Maximum Charging Current	60 A
Reference Capacity	C3 155.1AH C5 178.5AH C10 200.0AH C20 212.0AH
Standby Use Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/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	Syrio Power 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°C. Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Dimensions



Constant Current Discharge Characteristics: A (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	569.6	426.7	344.7	200.9	124.8	77.07	52.38	42.23	35.06	23.09	20.81	11.02
10.0V	553.2	406.0	337.6	198.4	123.2	75.52	51.41	41.63	34.75	23.00	20.61	10.81
10.2V	536.8	391.7	332.3	195.3	122.0	74.72	50.95	41.22	34.52	22.79	20.40	10.61
10.5V	482.0	361.4	316.4	190.0	120.5	73.74	50.50	40.61	34.23	22.59	20.20	10.40
10.8V	435.1	329.6	291.7	183.7	118.8	73.14	49.91	39.22	34.06	22.50	20.02	10.30
11.1V	371.5	294.6	261.6	176.7	116.0	70.20	48.93	38.65	33.81	22.32	19.78	9.88

Constant Power Discharge Characteristics: W(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	5892	4544	3792	2300	1447	903.2	616.7	505.5	420.0	276.5	249.6	132.7
10.0V	5776	4405	3731	2276	1433	892.2	607.5	498.4	416.2	275.5	247.6	130.4
10.2V	5710	4289	3689	2257	1425	885.8	604.8	493.7	413.7	273.4	245.4	128.0
10.5V	5198	3994	3518	2211	1416	874.6	599.9	487.1	410.4	271.1	243.0	125.6
10.8V	4734	3681	3252	2158	1398	868.1	593.2	470.6	408.5	269.9	240.6	124.4
11.1V	4159	3328	2927	2099	1377	835.6	583.2	463.9	407.0	268.0	238.0	119.9

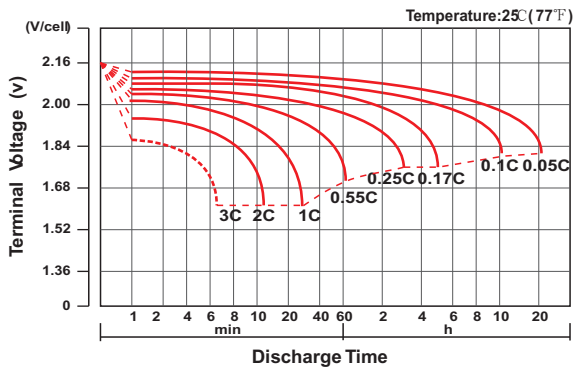
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

SB200-12

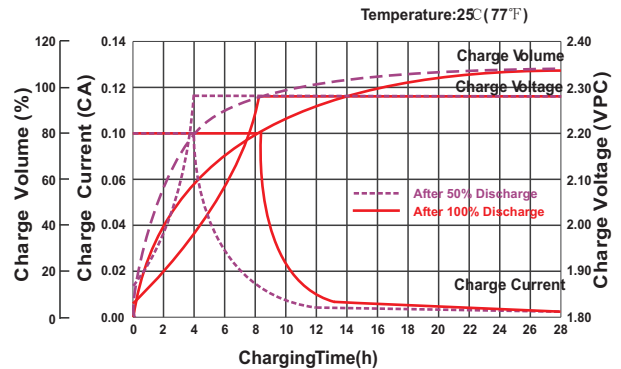
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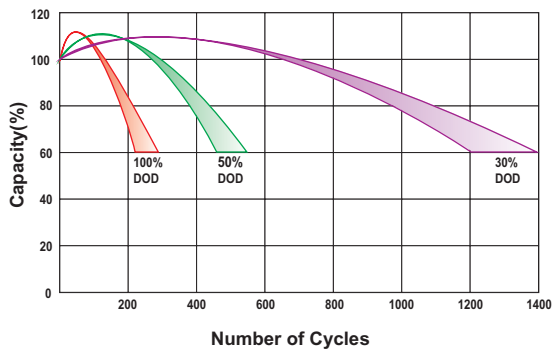
Discharge Characteristics Curve



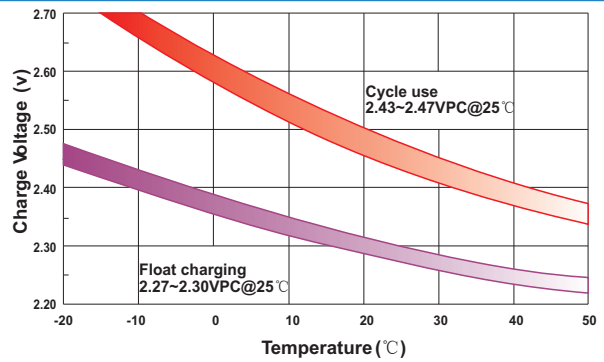
Charge Characteristic Curve For Standby Use



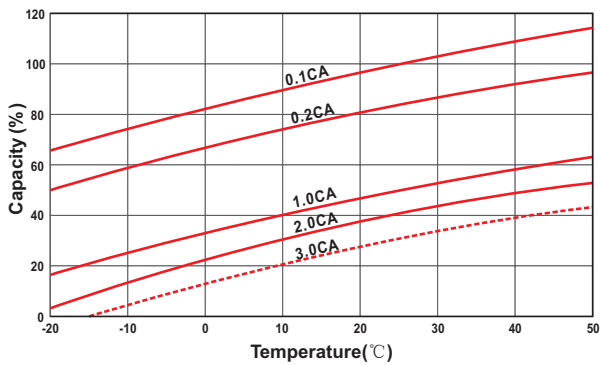
Cycle Life In Relation To Depth Of Discharge



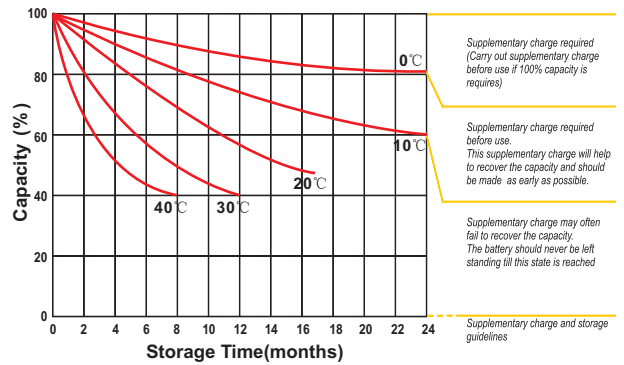
Relationship Between Charging Voltage And Temperature



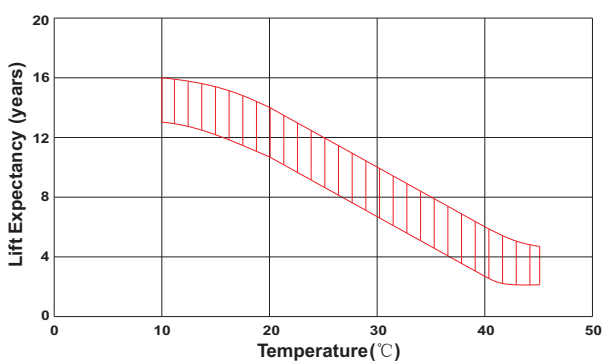
Temperature Effects On Capacity



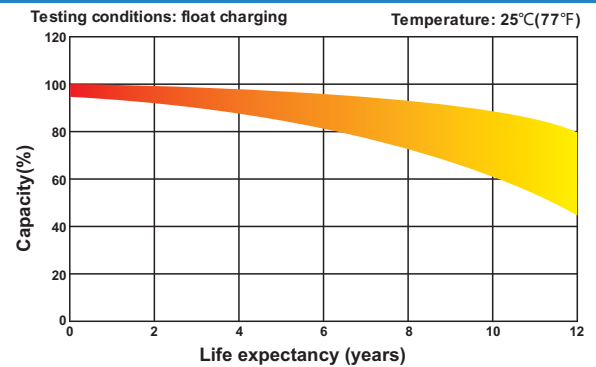
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



(Note) All above information shall be changed without prior notice, PuntoEnergia Italia s.r.l. reserves the right to explain and update the latest information