SB60-12

AGM BATTERY 60Ah 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.

SYRIO® POWER

Specification

Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	60Ah@10hour-rate to 1.80V per cell @25℃
Weight	Approx. 20.5 Kg (Tolerance±2.0%)
Internal Resistance	Approx. 6.0 mΩ
Terminal	F15(M6)/F11(M6)
Max. Discharge Current	600A (5 sec)
Short Circuit Current	1380A
Design Life	12 years (Float charging)
Recommended Maximum Charging Current	18 A
Reference Capacity	C3 46.6AH C5 53.6AH C10 60.0AH C20 63.4AH
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	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℃.Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

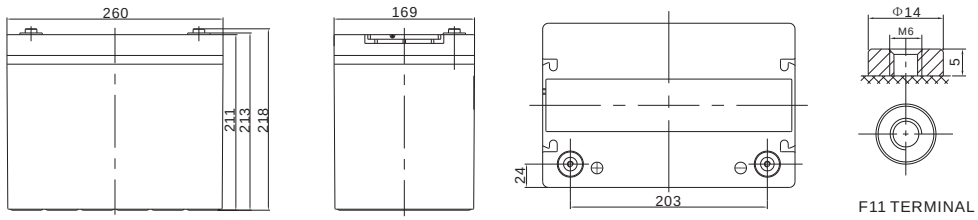
MH28539

G4M20206-0910-E-16

IQNet CERTIFICATE Postcode:421001 is in conformity with ISO 14001:2004 Standard

IQNet CERTIFICATE Postcode:421001 is in conformity with OHSAS 18001:1999 Standard

Dimensions



Length	260±2mm (10.2 inches)
Width	169±2mm (6.65 inches)
Height	211±2mm (8.31 inches)
Total Height	218±2mm (8.58 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	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	210.1	154.7	115.4	60.28	37.45	23.12	15.71	12.67	10.52	6.93	6.24	3.31
10.0V	204.0	147.2	113.0	59.51	36.95	22.66	15.42	12.49	10.42	6.90	6.18	3.24
10.2V	198.0	142.0	111.2	58.60	36.60	22.42	15.29	12.37	10.36	6.84	6.12	3.18
10.5V	177.8	131.0	105.9	56.99	36.15	22.12	15.15	12.18	10.27	6.78	6.06	3.12
10.8V	160.4	119.5	97.63	55.10	35.65	21.94	14.97	11.77	10.22	6.75	6.00	3.09
11.1V	137.0	106.8	87.58	53.01	34.80	21.06	14.68	11.60	10.14	6.70	5.94	2.96

Constant Power Discharge Characteristics: W(25 C)°

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	2216	1647	1258	690.1	434.0	271.0	185.0	151.7	126.0	82.96	74.87	39.82
10.0V	2173	1597	1238	682.9	430.0	267.7	182.2	149.5	124.9	82.64	74.28	39.12
10.2V	2148	1555	1224	677.0	427.5	265.7	181.4	148.1	124.1	82.01	73.62	38.40
10.5V	1955	1448	1167	663.2	424.8	262.4	180.0	146.1	123.1	81.32	72.90	37.68
10.8V	1781	1334	1079	647.4	419.3	260.4	177.9	141.2	122.6	80.97	72.18	37.31
11.1V	1564	1207	971.2	629.7	413.0	250.7	175.0	139.2	122.1	80.40	71.39	35.98

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

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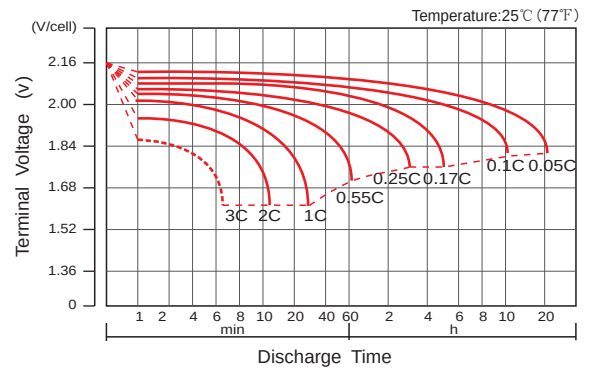
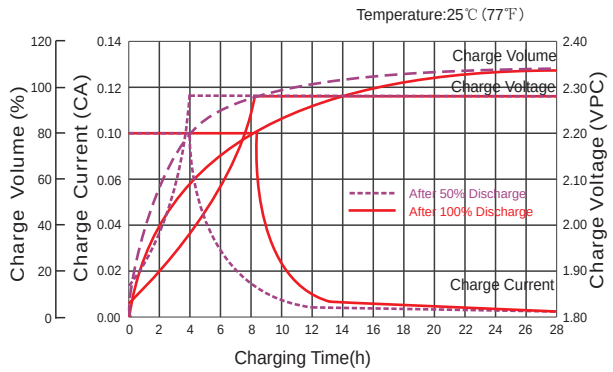
SYRIO POWER

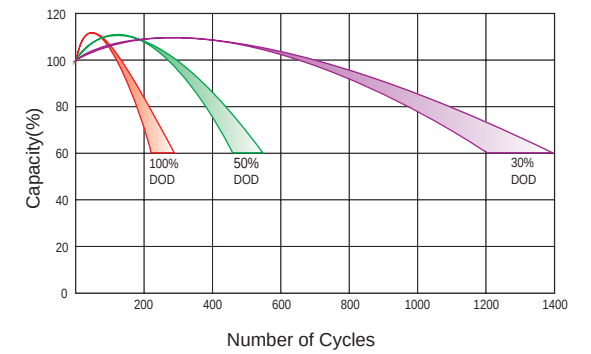
Discharge Characteristics Curve



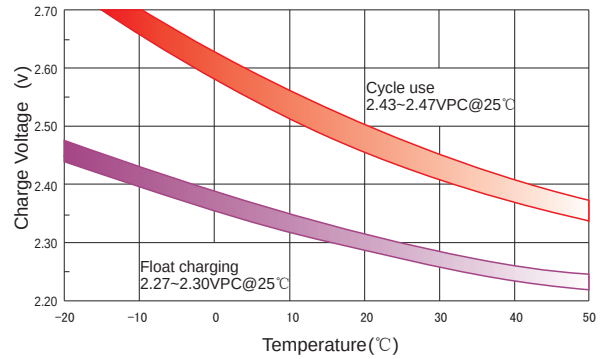
Charge Characteristic Curve For Standby Use



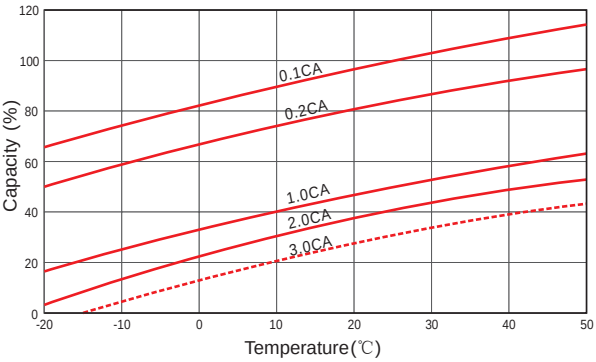
Cycle Life In Relation To Depth Of Discharge



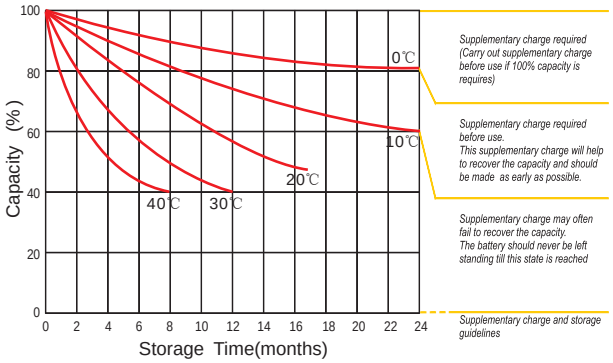
Relationship Between Charging Voltage And Temperature



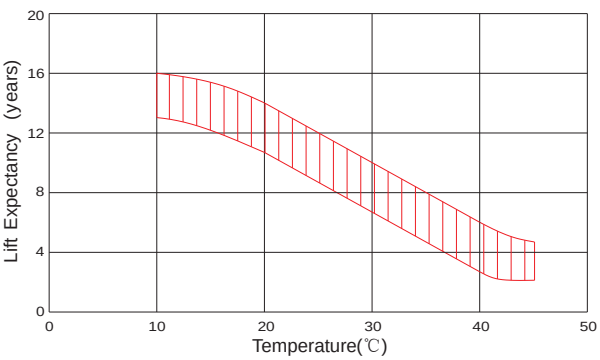
Temperature Effects On Capacity



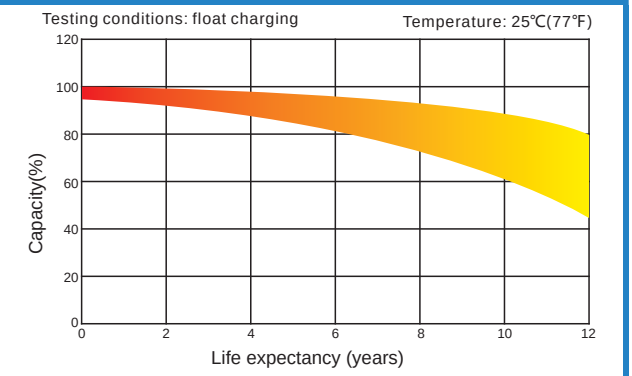
Storage Characteristics



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

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