

MODEL: SJ85-12



DESIRING ALWAYS

SJ85-12(85AH)
(12V85Ah/10HR)

MADE IN THAILAND

Rechargeable Sealed Lead-Acid Battery

CHARGING INSTRUCTION

AT 25°C

Application	Voltage Regulation	Initial Current
Floating use	13.6-13.8V	Less than 25.5 A
Cycle use	14.5-14.9V	

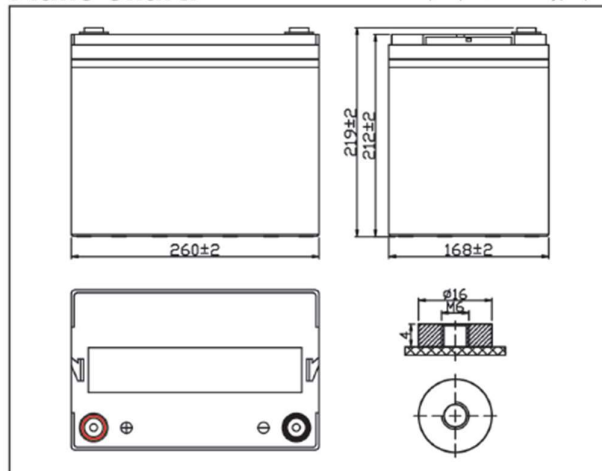
WARNING

- Risk of fire, explosion, or burns.
- Do not short the battery terminal.
- Do not disassemble, heat above 40°C, or incinerate.



Plane Chart:

Unit:(mm) Terminal type:(T1)



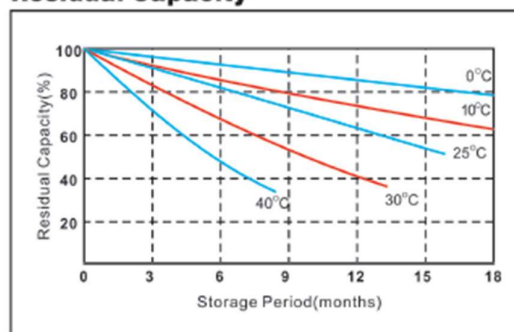
ISO 9001
ISO 14001
OHSAS18001



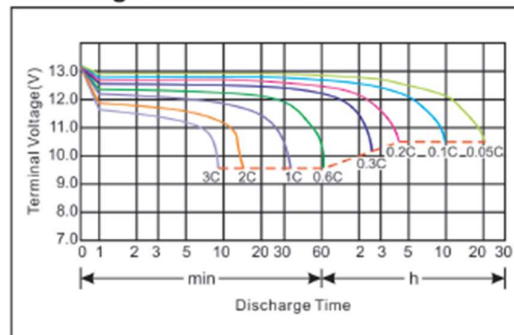
Parameter Chart:

Volts		12V
Capacity(25°C)	10 hours rate (8.5A)	85Ah
Discharge Current Testing (25°C)	1 hours rate (46.7A)	47Ah
	3 hours rate (21.2A)	65Ah
Internal Resistance	Full Charged Battery 25°C	4.5mΩ
Capacity Affected By Temperature	40°C	104%
	25°C	100%
	0°C	83%
	-15°C	65%
Residual Capacity (25°C)	Capacity After 3 Months Storage	91%
	Capacity After 6 Months Storage	82%
	Capacity After 12 Months Storage	65%
Charge (Constant Voltage)	Cycle (25°C)	Initial Charging Current Less Than 25.5A Voltage 14.5~14.9V
	Float (25°C)	Charge Voltage 13.6~13.8V
Weight (Approx)		25.4Kg

Residual Capacity



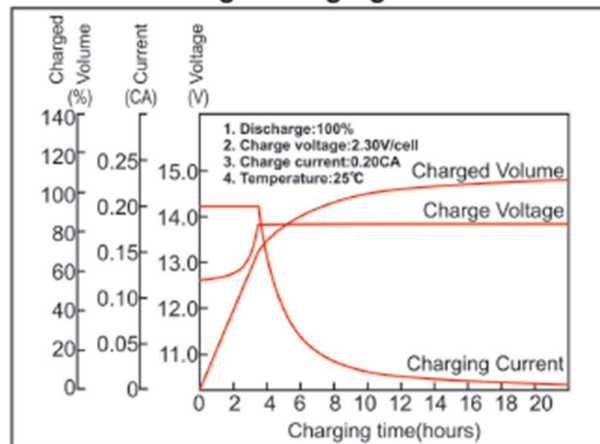
Discharge Current 25°C



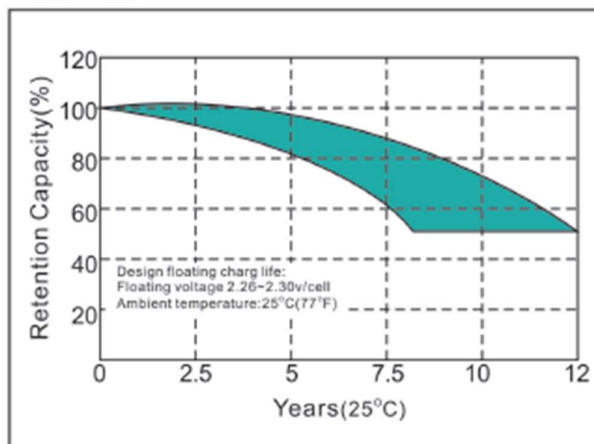
* The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

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Constant voltage charging characteristics



Float Life



Constant Current Discharge Characteristics(A,25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	270.5	185.4	145.3	90.2	55.1	31.1	21.6	15.5	10.4	8.6	4.5
10.2V	257.5	176.4	139.3	86.6	52.9	30.7	21.3	15.3	10.3	8.6	4.5
10.5V	249.5	170.8	135.8	84.4	51.6	30.4	21.1	15.2	10.2	8.5	4.4
10.8V	241.5	165.3	132.3	82.3	50.3	30.0	20.9	15.0	10.1	8.5	4.4

Constant Power Discharge Characteristic(Watt,25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	2840.7	2002.0	1595.2	1012.0	628.3	359.0	254.5	184.4	123.0	103.2	53.9
10.2V	2698.4	1901.8	1531.1	970.9	603.2	353.8	250.5	181.4	122.0	102.5	53.5
10.5V	2617.7	1844.7	1493.0	946.9	588.2	351.2	248.0	179.4	121.3	102.2	53.3
10.8V	2537.1	1787.6	1454.9	922.8	573.1	347.2	245.5	177.4	120.2	101.8	53.1

Capacity Factors With Different Temperature

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Battery	12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

* The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

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