

SUNLYTE®

Photovoltaic and Alternative Energy VRLA Batteries

Section 62.26
2011-09

12-5000X

6 Cell, 12 Volt Valve-Regulated Lead-Acid Battery

100 Ah at 100 Hour Rate

INNOVATIVE FEATURES

Valve-Regulated Lead-Acid Design

- Never requires watering
- Spill proof and leak proof
- Explosion resistant
- Horizontal or vertical operation
- No gases escape under normal charging
- Operates at low internal pressure
- Increased operating safety

Immobilized Electrolyte

- Extended partial state of charge operation (at reduced capacities)
- Freezing tolerant
- Minimized need for equalization

Positive Grid Alloy

- Deep cycle capability
- Long life
- Low self-discharge rate



SPECIFICATIONS

Container and Cover - Reinforced polypropylene

Separators - Spun glass, microporous matrix

Safety Vent - 5 PSI nominal, self resealing

Self-Discharge - 0.5-1.0% per week

Terminals - Heavy duty copper alloy

Charge Voltage - 2.28-2.38 VPC @ 25°C (77°F)
(30 amp max. current)

Positive Plate — Patented Lead Calcium
Tin Silver Alloy

Negative Plate — Lead Calcium

Estimated Cycle Life —
{8 hour rate to 1.75 VPC @ 25°C (77°F)}
300 cycles @ 80% DOD
600 cycles @ 50% DOD
1,000 cycles @ 20% DOD

PHYSICAL CHARACTERISTICS

Type	Nominal Dimensions						Weight	
	Length		Width		Height		Net Each	
	In	mm	In	mm	In	mm	Lbs	Kgs
12-5000X	12.05	307	6.85	175	8.80	224	70.4	31.9

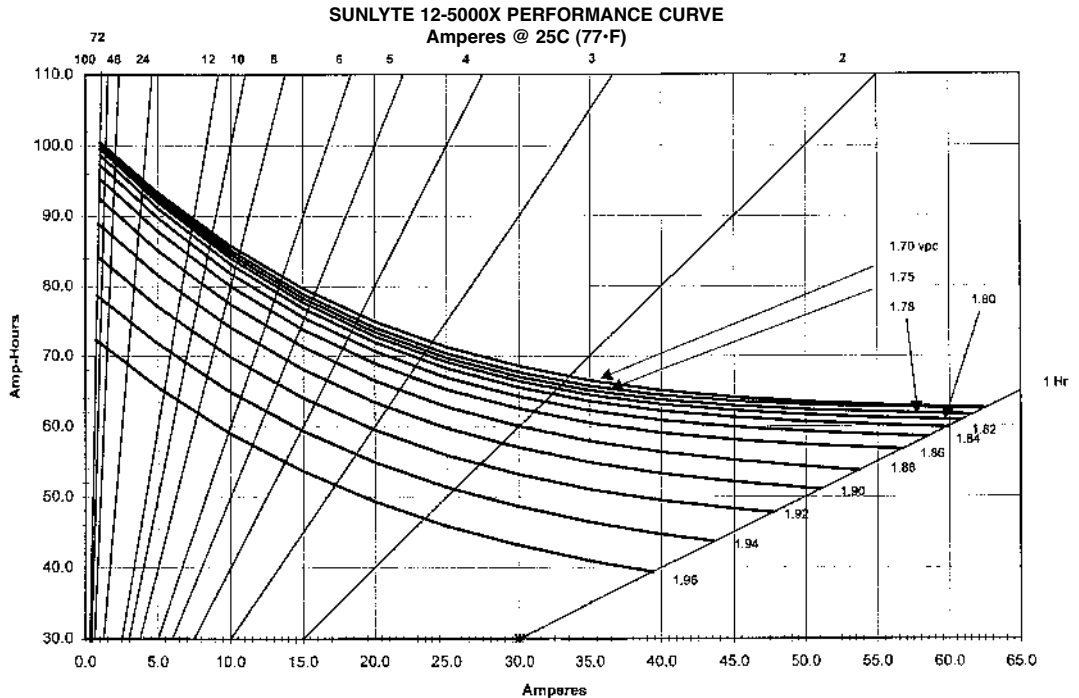
SPECIFICATIONS

SUNLYTE®

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SUNlyte® 12-5000X Performance Specifications
Amperes @ 25°C (77°F)

End Voltage	Hours												
	100	72	48	24	12	10	8	6	5	4	3	2	1
1.70 Final Volts per Cell	1.0	1.4	2.1	4.0	7.5	8.7	10.6	13.6	15.8	19.0	24.0	33.6	62.6
1.75 Final Volts per Cell	1.0	1.4	2.0	4.0	7.4	8.7	10.5	13.5	15.7	18.8	23.8	33.2	62.5
1.78 Final Volts per Cell	1.0	1.4	2.0	4.0	7.4	8.7	10.5	13.4	15.6	18.7	23.6	33.0	61.6
1.80 Final Volts per Cell	1.0	1.4	2.0	4.0	7.3	8.6	10.4	13.3	15.5	18.6	23.4	32.7	60.8
1.82 Final Volts per Cell	1.0	1.4	2.0	3.9	7.3	8.5	10.3	13.2	15.3	18.4	23.2	32.3	59.9
1.84 Final Volts per Cell	1.0	1.3	2.0	3.9	7.2	8.4	10.2	13.0	15.1	18.1	22.9	31.8	58.5
1.86 Final Volts per Cell	1.0	1.3	1.9	3.8	7.1	8.3	10.0	12.8	14.8	17.8	22.4	31.1	56.7
1.88 Final Volts per Cell	0.9	1.3	1.9	3.7	6.9	8.0	9.7	12.4	14.4	17.3	21.8	30.0	53.7
1.90 Final Volts per Cell	0.9	1.2	1.8	3.6	6.6	7.7	9.4	12.0	13.9	16.7	20.9	28.8	51.0
1.92 Final Volts per Cell	0.8	1.2	1.7	3.4	6.3	7.4	8.9	11.4	13.2	15.9	19.9	27.3	47.7
1.94 Final Volts per Cell	0.8	1.1	1.6	3.2	5.9	6.9	8.4	10.7	12.4	14.9	18.7	25.6	43.6
1.96 Final Volts per Cell	0.7	1.0	1.5	2.9	5.4	6.4	7.7	9.9	11.5	13.8	17.3	23.5	39.4



GNB Industrial Power
USA – Tel: 888.898.4462
Canada – Tel: 800.268.2698

www.gnb.com

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