

GEL BATTERY

POWER 12V 100AH



APPLICATION

- Communicate
- DC Panel
- Solar
- EPS
- UPS
- Other Float

BATTERY CHARACTERISTICS

- NP 12V battery series for high performance, multi-energy design;
- Design life (25 C): 7+ years (24Ah above); 3 years (17Ah or less);
- When the one-way exhaust valve is safe and has a long battery life;
- Absorption glass mat technology allows gas in line with efficiency up to 99%, so that the electrolyte is maintenance-free function;
- Professionally designed lead calcium tin aluminum alloy grid, minimizing the amount of gas produced, and can be easily cycle recycled;
- Excellent large current discharge performance, long service life;
- Excellent deep discharge performance, in line with DIN43539 T5 standards;
- Low self-discharge rate (about 3% per month at 20 C);
- Housing material: ABS; optional ABS, UL94-V0;
- It can be used in any orientation. Vertical, lateral, or side placement;
- Completely recycled.

Technical data

Model.	S-Gel Bat 100AH/12V
Voltage	12 V
Capacity / Ah (C20, 1.75V @ 25°C)	100 Ah
Size (L*W*H*TH) (mm)	407 x 174 x 209 x 233
Weight (kg)	29
Terminals	M8L , M8T
Temperature range	Discharge: -30°C to 50°C, Charging: -20°C to 40°C (Charging voltage application temperature compensated)
Operating temperature range	20°C to 25°C
Float voltage	The average temperature at 25°C, 13.65±0.15V DC / Per Day
The maximum charging current	C / 5A (20 hour rate capacity 1/5 times current)
Charging voltage balancing and cycle time of application	The average temperature at 25°C, 14.2 to 14.8 V DC / Per Day
Maximum AC Ripple (Charger)	For best results, it is recommended float voltage fluctuation 1.5% 0.5% RMS or peak (P-P), the maximum allowed AC ripple float voltage = 1.4% RMS (4% P-P), the maximum AC current = C / 20A RMS
Self-discharge	At 25°C environment can be stored for 6 months and then needs a refresh charging. If stored at higher temperatures, Refresh interval to be shorter charging time
Enclosure (Optional)	Cable between the battery, stand, battery cabinet

Constant power discharge - Watts Per Cell@77 F(25°C)

End voltage Per Cell	Min					Hour											
	5	10	15	30	60	2	3	4	5	6	7	8	9	10	12	20	24
1.85	365.9	307.2	257.3	172.7	112.1	63.6	45.5	35.9	29.8	25.6	22.6	20.2	18.4	16.7	14.1	8.7	7.4
1.80	456.0	339.1	286.3	183.1	117.3	66.2	47.3	37.2	30.9	26.5	23.3	21.0	18.9	17.1	14.5	9.1	7.7
1.75	488.5	359.7	296.3	189.3	120.1	67.5	48.1	37.8	31.3	26.8	23.5	21.1	19.0	17.2	14.6	9.2	7.8
1.70	505.3	372.5	308.3	194.9	121.1	68.0	48.4	38.0	31.5	27.1	23.7	21.2	19.1	17.4	14.8	9.3	7.9
1.67	515.7	383.9	314.3	197.2	121.7	68.3	48.6	38.1	31.6	27.2	23.8	21.2	19.2	17.4	14.9	9.3	7.9
1.60	522.7	392.2	319.3	198.8	122.3	68.5	48.7	38.2	31.7	27.3	23.9	21.2	19.2	17.5	14.9	9.3	7.9

Constant current discharge - Amperes@77 F(25°C)

End voltage Per Cell	Min					Hour											
	5	10	15	30	60	2	3	4	5	6	7	8	9	10	12	20	24
1.85	168.0	157.3	134.3	91.6	57.1	34.3	24.1	18.7	15.4	13.2	11.6	10.3	9.3	8.5	7.31	4.71	4.01
1.80	202.4	175.1	151.3	99.6	59.7	35.6	25.1	19.5	16.1	13.8	12.0	10.7	9.7	8.8	7.58	4.87	4.14
1.75	247.4	192.0	160.0	103.0	61.1	35.8	25.3	19.7	16.2	13.9	12.2	10.9	9.8	9.0	7.74	5.00	4.26
1.70	282.8	205.8	168.0	105.0	62.5	36.2	25.5	19.8	16.3	14.0	12.3	10.9	9.9	9.0	7.79	5.03	4.29

Ordering information	
Model.	S-Gel Bat 100AH/12V
Part No.	620302
Warranty	1 year from Delivery date
Packing unit.	1 pc(s).

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You can find the address of your local sales organisation on the home page



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