

GEL BATTERY

POWER 12V 200AH



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 200AH/12V
Voltage	12 V
Capacity / Ah (C20, 1.75V @ 25°C)	200 Ah
Size (L*W*H*TH) (mm)	522 x 240 x 216 x 221 mm.
Weight (kg)	65.5
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

End voltage Per Cell	Min								Hour							
	10	15	20	30	45	50	60	90	2	3	4	5	8	10	12	20
1.80	662.7	570.0	472.1	374.3	274.7	252.3	218.6	157.9	128.0	98.7	79.8	69.0	44.6	36.4	30.6	19.0
1.75	698.7	594.7	488.6	382.5	278.8	255.4	220.7	159.9	131.0		81.5	69.9	45.5	37.3	31.3	19.5
1.70	724.5	602.9	497.9	392.8	283.9	260.5	224.8	164.0								
1.67	737.3	612.2	504.5	396.6	287.5	263.5	226.8	165.5								
1.65	750.2	621.5	511.2	401.0	291.1	266.6	228.8	167.0								

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

End voltage Per Cell	Min					Hour											
	5	15	30	60	90	2	3	4	5	6	7	8	9	10	12	20	24
1.85		217.00	177.22	112.22	88.08	64.74	48.89	39.90	34.60	29.70	26.20	23.60		19.80	16.74	10.45	9.11
1.80		267.00	190.61	115.28	90.87	67.27	51.31	41.10	35.20	30.10	26.50	23.80		19.90	16.82	10.50	9.15
1.75		317.00	204.00	118.34	93.67	69.79	53.73	12.30	35.80	30.50	26.80	24.00		20.00	16.91	10.55	9.19

Ordering information

Model.	S-Gel Bat 200AH/12V
Part No.	620300
Warranty	1 year from Delivery date
Packing unit.	1 pc(s).

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

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



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