

GEL BATTERY

POWER 12V 55AH



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 55AH/12V
Voltage	12 V
Capacity / Ah (C20, 1.75V @ 25°C)	55 Ah
Size (L*W*H*TH) (mm)	230 x 138 x 211 x 235 mm.
Weight (kg)	16.5
Terminals	M6L , M6T
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	201.3	159.9	129.0	86.4	55.3	32.6	23.6	18.8	15.7	13.5	12.0	10.7	9.7	8.8	7.5	4.7	4.0
1.80	227.9	176.3	141.7	92.7	58.8	34.0	24.5	19.4	16.2	14.0	12.3	10.9	9.9	9.0	7.7	4.9	4.1
1.75	242.3	185.3	151.3	95.9	60.5	34.6	24.9	19.6	16.4	14.2	12.4	11.0	10.0	9.1	7.7	4.9	4.2
1.70	256.5	194.9	157.7	98.3	61.0	34.9	25.0	19.8	16.6	14.3	12.5	11.1	10.0	9.1	7.8	4.9	4.2
1.67	262.6	199.5	160.3	99.3	61.3	35.0	25.1	19.9	16.6	14.3	12.5	11.1	10.1	9.2	7.8	5.0	4.2
1.60	265.3	202.3	161.3		61.6	35.4	25.3	20.0	16.7	14.3	12.6	11.2	10.1	9.2	7.8	5.0	4.3

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	103.0	103.0	69.3	44.6	28.3	17.6	12.5	9.7	8.0	7.0	6.1	5.5	4.9	4.5	3.94	2.57	2.21
1.80	122.3	122.3	76.0	48.2	30.3	18.4	13.0	10.2	8.4	7.3	6.4	5.7	5.1	4.7	4.09	2.67	2.30
1.75	133.9	133.9	81.0	50.6	31.1	18.6	13.2	10.3	8.5	7.4	6.5	5.8	5.2	4.8	4.17	2.72	2.34
1.70	141.4	141.4	86.0	53.0	31.9	18.8	13.3	10.4	8.6	7.5	6.6	5.9	5.3	4.9	4.26	2.78	2.39

Ordering information	
Model.	S-Gel Bat 55AH/12V
Part No.	620304
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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