GEL BATTERY

POWER 12V 7AH

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 7AH/12V
Voltage	12 V
Capacity / Ah (C20, 1.75V @ 25°C	7 Ah
Size (L*W*H*TH) (mm)	151 x 65 x 94 x 100
Weight (kg)	2.0
Terminals	Fast on Tab 187/250
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

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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	8	10	20
1.85	34.5	26.6	21.6	14.7	8.8	4.63	3.29	2.64	2.59	1.44	1.13	0.48
1.80	39.3	28.6	22.9	15.1	8.9	4.71	3.32	2.66	2.60	1.44	1.15	0.50
1.75	44.0	30.6	24.3	15.4	9.1	4.78	3.34	2.68	2.61	1.45	1.17	0.52
1.70	48.8	32.0	25.7	15.8	9.3	4.86	3.37	2.70	2.62	1.45	1.19	0.55
1.67	49.8	33.0	26.3	15.9	9.3	4.87	3.37	2.70	2.62	1.45	1.20	0.56
1.60	51.2	33.0	26.7	16.2	9.3	4.90	3.38	2.71	2.64	1.47	1.22	0.59

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

End voltage Per Cell	Min					Hour						
	5	10	15	30	60	2	3	4	5	8	10	20
1.85	17.44	13.30	10.66	6.68	3.72	2.27	1.59	1.38	1.20	0.80	0.66	0.35
1.80	19.92	14.44	11.38	6.87	3.79	2.30	1.61	1.39	1.20	0.80	0.66	0.35
1.75	22.43	15.57	12.10	7.06	3.86	2.35	1.62	1.39	1.21	0.80	0.68	0.37
1.70	24.93	16.70	12.82	7.25	3.96	2.38	1.63	1.40	1.22	0.81	0.69	0.38

Ordering information	
Model.	S-Gel Bat 7AH/12V
Part No.	620307
Warranty	1 year from Delivery date
Packing unit.	1 pc(s).

Contact us

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

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