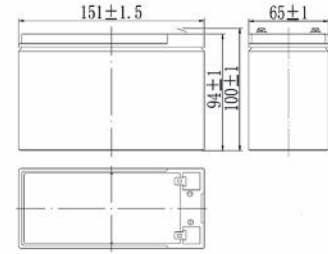


Lead Acid Battery

LEAD ACID BATTERY SOL12-7Ah(12V7AH) Premium

- ◆ Absorbent glass mat technolog y;
- ◆ Recognized by RoHS& CE;
- ◆ ABS container.



MODEL		SOL-12-7AH	
Nominal Voltage	12 V		
Capacity (25°C)	20HR(10.5V) 7Ah	7Ah	
	10HR(10.5V)	6.6Ah	
	1HR(9.60V)	4.6Ah	
Dimension	Length	151±1.5mm (5.94inch)	
	Width	65±1mm (2.56inch)	
	Height	94±1mm (3.70inch)	
	Total Height	100±1mm (3.94inch)	
Approx. Weight	2.10kgs (4.63lbs)±5%		
Terminal type	T1/T2		
Internal resistance (Fully charged,25°C)	Approx. 28mΩ		
Capacity affected by temperature (20HR)	40°C	102%	
	25°C	100%	
	0°C	85%	
	-15°C	65%	
Self-discharge (25°C)	3 month	Remaining Capacity: 91%	
	6 month	Remaining Capacity: 82%	
	12 month	Remaining Capacity: 65%	
Nominal operating temperature	25°C±3°C(77°F±5°F)		
Operating temperature range	Discharge	-15°C ~ 50°C(5°F ~ 122°F)	
	Charge	-10°C ~ 50°C(14°F ~ 122°F)	
	Storage	-20°C ~ 50°C(-4°F ~ 122°F)	
Float charging voltage(25°C)	13.60 to 13.80V Temperature compensation: -18mV/°C		
Cyclic charging voltage(25°C)	14.50 to 14.90V Temperature compensation:-30mV/°C		
Maximum charging current	2.1A		
Terminal material	Copper		
Maximum discharge current	105A(5 sec.)		
Designed floating life(20°C)	3~5 years		

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Lead Acid Battery

Constant Current Discharge (Amperes) at 25 °C (77°F)

F. V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	27.1	17.1	13.4	7.49	4.60	2.50	1.80	1.44	1.22	0.67	0.36
9.90V	26.3	16.6	13.1	7.34	4.53	2.49	1.79	1.43	1.22	0.66	0.36
10.2V	25.2	15.9	12.6	7.12	4.41	2.47	1.77	1.42	1.21	0.66	0.35
10.5V	24.1	15.3	12.2	6.95	4.32	2.43	1.76	1.41	1.20	0.66	0.35
10.8V	22.8	14.4	11.6	6.69	4.19	2.37	1.71	1.37	1.16	0.64	0.35

Constant Power Discharge (Watts) at 25 °C (77°F)

F. V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	303	193	153	85.9	53.2	29.3	21.4	17.1	14.6	7.99	4.29
9.90V	294	187	149	84.2	52.4	29.1	21.2	17.0	14.5	7.95	4.28
10.2V	282	180	144	81.6	51.1	28.9	21.1	16.9	14.4	7.92	4.26
10.5V	269	172	139	79.6	50.1	28.4	20.9	16.8	14.3	7.87	4.23
10.8V	254	162	132	76.7	48.5	27.7	20.3	16.3	13.9	7.71	4.15

Note: The above characteristics data can be obtained within three charge/discharge cycles.

