

BAT-12V17AH/4

12V17Ah / 20hr



Introduction

This is designed for standby use with 5-year design life in float service. The series battery is featured of high consistency, excellent performance and reliable standby life. It is widely applied in UPS/EPS, medical equipment, emergency light and security system.

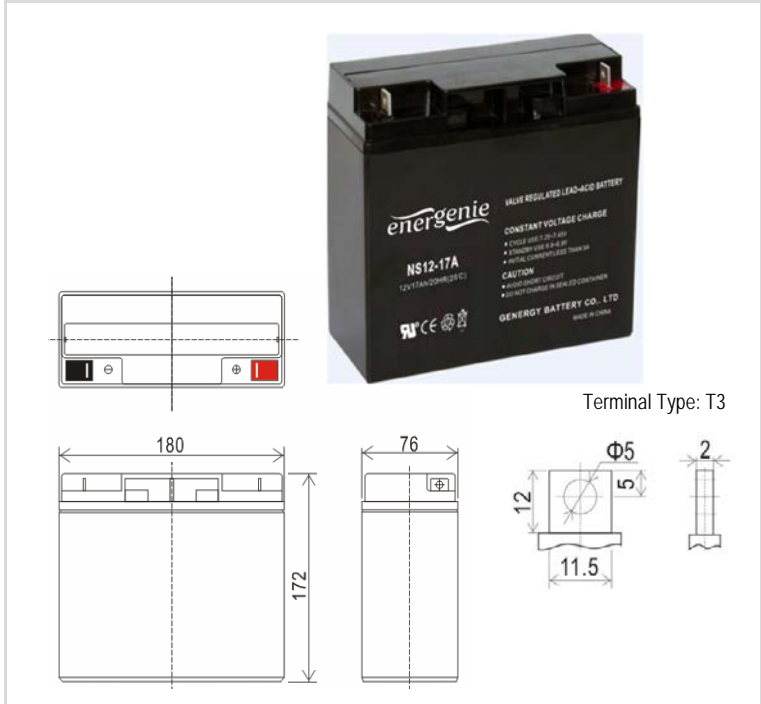
Battery Features

- Outstanding consistency in Standby system
- Stable quality and high pass rate
- 5 years design life in floating condition
- Low self-discharge rate

Electrical Specification

Design floating Life @ 20°C (68°F)	5 years
Nominal Capacity @ 25°C /77°F	
20 hour rate 0.85A to 1.75Vpc	17.0 Ah
10 hour rate 1.59A to 1.75Vpc	15.9 Ah
Internal Resistance	
(Fully charged battery @ 25°C /77°F)	13mΩ
Max. Discharge Current @ 25°C /77°F	170A (5S)
Charge Methods: Constant voltage charge @ 25°C /77°F	
Cycle Use	14.7 ~ 14.9V
Max. Current	3.9 A
Standby Use	13.6 - 13.8V
Operating Temperature Range	
Discharge	-15 ~ 50°C
Charge	0 ~ 50°C
Storage	-15 ~ 50°C
Recommended Operating Temp	15 ~ 25°C
Self-Discharge	
3% of capacity declined per month @ 20°C (68°F).	

Battery Pictures & Terminal Layout



Dimension & Weight

Length	Dimension (± 2mm)			Total Height	Weight (± 2%)
	Width	Height	Total Height		
180 mm	76 mm	167 mm	172 mm	5.0 kg	
7.1 inch	3.0 inch	6.6 inch	6.8 inch	11.02 lbs	

Typical Applications

- UPS & EPS
- Security Power Supply
- Power Utility
- Electrical Toys

Certificates



Constant Current Discharge (Amperes @ 25°C /77°F)

V/cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60	46.80	35.72	30.52	25.33	21.35	18.59	17.06	15.53	14.24	13.15	12.40	6.36	4.45	3.52	3.04	1.67	0.87
1.65	44.82	34.21	29.27	24.32	20.60	17.92	16.47	15.03	13.82	12.81	12.15	6.21	4.34	3.45	3.00	1.64	0.87
1.70	42.84	32.70	28.00	23.30	19.82	17.23	15.87	14.51	13.39	12.47	11.89	6.06	4.25	3.38	2.95	1.62	0.85
1.75	40.87	31.20	26.75	22.31	19.09	16.58	15.30	14.02	12.98	12.14	11.64	5.91	4.13	3.29	2.90	1.59	0.85
1.80	38.89	29.69	25.52	21.35	18.41	15.97	14.76	13.55	12.58	11.81	11.39	5.77	4.00	3.21	2.85	1.57	0.82

Constant Power Discharge (Watts/cell @ 25°C /77°F)

V/cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60	89.64	68.43	58.20	47.97	40.48	35.18	32.62	30.06	27.99	26.36	25.12	13.01	8.99	7.08	5.56	3.38	1.84
1.65	86.02	65.66	55.85	46.04	38.97	33.75	31.27	28.79	26.80	25.26	24.10	12.42	8.77	6.92	5.46	3.35	1.79
1.70	82.39	62.89	53.59	44.28	37.71	32.53	30.09	27.66	25.71	24.20	23.09	11.83	8.56	6.76	5.36	3.31	1.76
1.75	79.42	60.63	51.57	42.52	36.20	31.10	28.75	26.39	24.53	23.10	22.07	11.24	8.31	6.59	5.27	3.27	1.75
1.80	75.80	57.86	49.31	40.75	34.95	29.93	27.66	25.39	23.62	22.28	21.33	10.81	8.05	6.39	5.12	3.23	1.66

*The mentioned data are derived from of sample test result, for reference only.

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Graphs

