DATASHEET NS12-12

Introduction

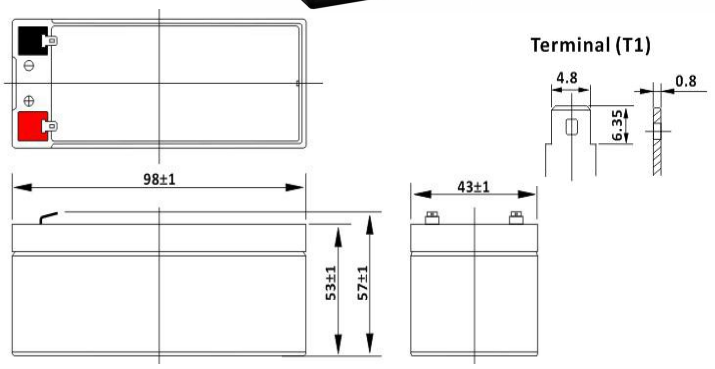
Anda NS series is designed for standby use with 5-year design life in float service. The series battery is featured of high consistency, excellent performance and reliable standby service life. It is widely applied in UPS/EPS, medical equipment, emergency light and security system.

Battery Features

- Low self-discharge
- Fully tank formed plates
- Low impurity electrolyte
- Spill proof / leak proof
- Multi-position usage
- ABS case and cover VO upon request
- Very high purity lead

Battery Picture & Terminal Layout





Electrical Specification

Design floating Life @ 25°C (77°F) ..... 5 years

Nominal Capacity @ 25°C /77°F

20 hour rate 0.06A to 1.75Vpc ..... 1.2 Ah

10 hour rate 0.11A to 1.75Vpc ..... 1.1 Ah

Internal Resistance

(Fully charged battery @ 25°C /77°F) ..... 120 mΩ

Max. Discharge Current @ 25°C /77°F ..... 12 A (5S)

Charge Methods: Constant voltage charge @ 25°C /77°F

Cycle Use ..... 14.7~ 14.9V

Max. Current ..... 0.36 A

Standby Use ..... 13.6 - 13.8V

Operating Temperature Range ..... -30 ~ 50°C

Notes: battery voltage must be adjusted according to temperature. Please refer to our recommendation.

Self-Discharge

3% of capacity declined per month @ 25°C (77°F).

Dimension & Weight

Dimension (± 2mm)				Weight (± 2%)
Length	Width	Height	Total Height	
98 mm	43 mm	53 mm	57 mm	0.5 kg
3.9 inch	1.7 inch	2.1 inch	2.2 inch	1.1 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	2.73	2.08	1.78	1.48	1.25	1.09	1.00	0.91	0.83	0.77	0.72	0.37	0.29	0.25	0.22	0.120	0.062
1.65	2.61	1.99	1.71	1.42	1.21	1.05	0.96	0.88	0.77	0.75	0.71	0.37	0.28	0.24	0.21	0.120	0.062
1.70	2.50	1.91	1.63	1.36	1.16	1.01	0.93	0.85	0.78	0.73	0.69	0.36	0.28	0.24	0.21	0.110	0.061
1.75	2.38	1.82	1.56	1.30	1.12	0.97	0.89	0.82	0.76	0.71	0.68	0.35	0.27	0.23	0.21	0.110	0.060
1.80	2.27	1.73	1.49	1.24	1.08	0.93	0.86	0.79	0.74	0.69	0.66	0.34	0.26	0.23	0.20	0.110	0.059

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	4.91	3.74	3.20	2.66	2.25	2.07	1.90	1.73	1.58	1.46	1.42	0.73	0.57	0.49	0.43	0.24	0.124
1.65	4.70	3.58	3.08	2.56	2.18	2.00	1.82	1.67	1.46	1.43	1.40	0.73	0.55	0.47	0.41	0.24	0.124
1.70	4.50	3.44	2.93	2.45	2.09	1.92	1.77	1.62	1.48	1.39	1.36	0.71	0.55	0.47	0.41	0.22	0.122
1.75	4.28	3.28	2.81	2.34	2.02	1.84	1.69	1.56	1.44	1.35	1.34	0.69	0.53	0.45	0.41	0.22	0.120
1.80	4.09	3.11	2.68	2.23	1.94	1.77	1.63	1.50	1.41	1.31	1.30	0.67	0.51	0.45	0.39	0.22	0.118

ANDA-OLSEN AS
Blindheim Industrivei 2E

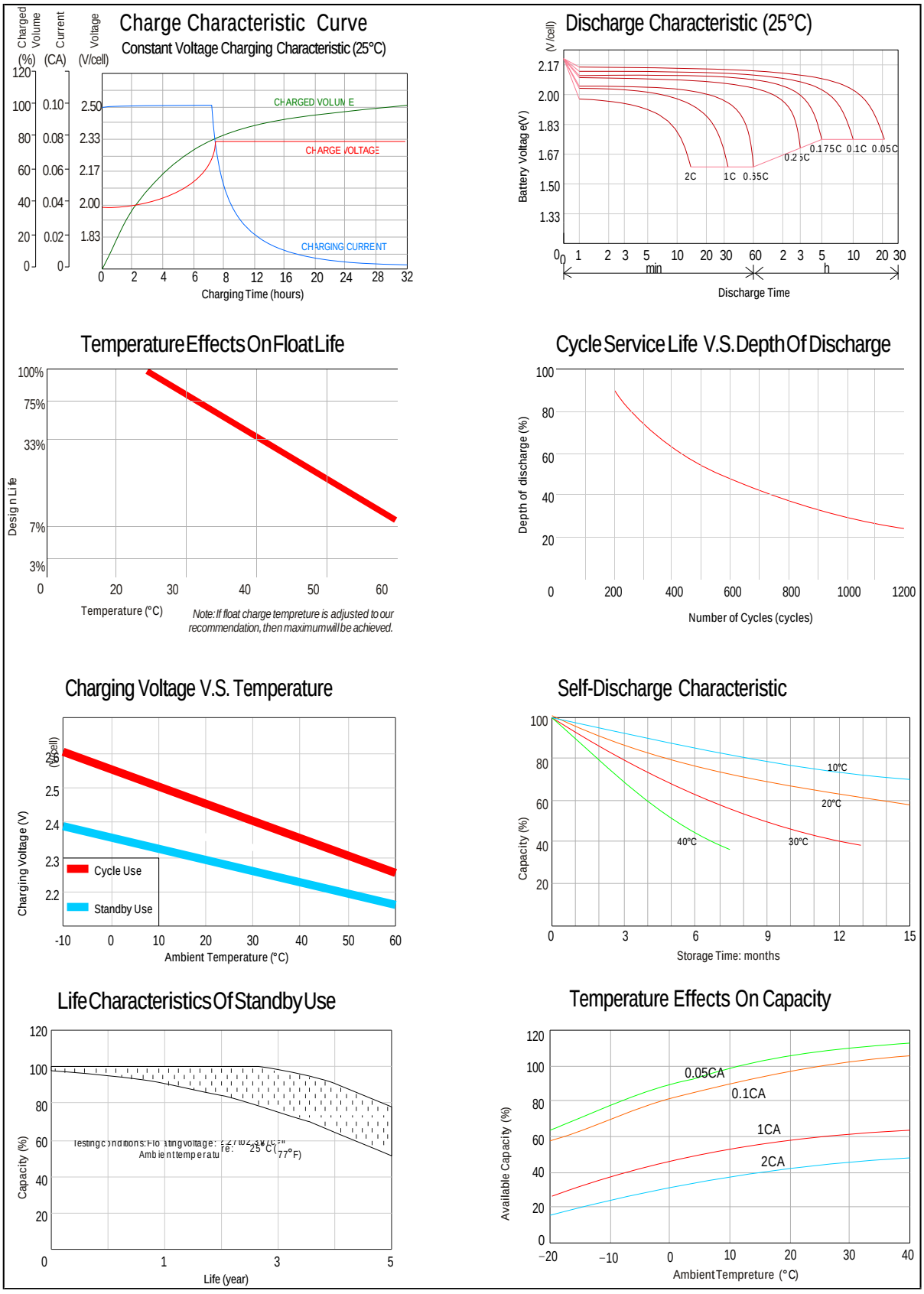
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Graphs



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