

LP12-1.2 (12V 1.2Ah)



Since 1993

Item Code: NSA LP12-1,2 T1
 EAN: 8717101009536

Specifications

Nominal Voltage	12		
Approx. Weight	0.52 Kg (1.15lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	1.20 Ah	20hr, 0.060A, 1.75V/cell	
	1.13 Ah	10hr, 0.113A, 1.75V/cell	
	1.03 Ah	5hr, 0.207A, 1.75V/cell	
	0.91 Ah	3hr, 0.306A, 1.75V/cell	
	0.78 Ah	1hr, 0.789A, 1.60V/cell	
Short-circuit Current	33.6A		
Internal Resistance	Approx. 145.0 mΩ		
Operating Temp. Range	Discharge:	-15 °C ~ 50 °C	5 °F ~ 122 °F
	Charge:	-20 °C ~ 40 °C	-4 °F ~ 104 °F
	Storage:	-15 °C ~ 40 °C	5 °F ~ 104 °F
Nominal operating temp. Range	25±3°C (77±5°F)		
Effect of Temp. to Capacity	40 °C	104 °F	103%
	25 °C	77 °F	100%
	0 °C	32 °F	86%
Max. Charging Current (25°C)	0.36A		
Cycle Use	Voltage 14.6V~14.8V at 25°C (77 °F) Temp. Coefficient -5mV/Cell/°C		
Standby Use	Voltage 13.6V~13.8V at 25°C (77°F) Temp. Coefficient -3mV/Cell/°C		
Self-Discharge	Batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.		
Design Life	5 years		



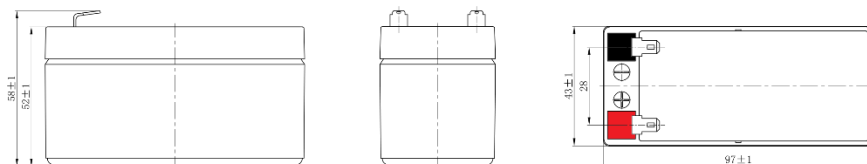
Certificates / Standards

- UL Certified
- CE Certified
- VdS G103046
- Manufactured in certified production facilities; IATF16949/ ISO9001/ ISO14001



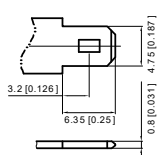
Dimensions

Layout



Length	97 mm
Width	43 mm
Container Height	52 mm
Total Height	58 mm

Terminal



Terminal	T1
Layout	4

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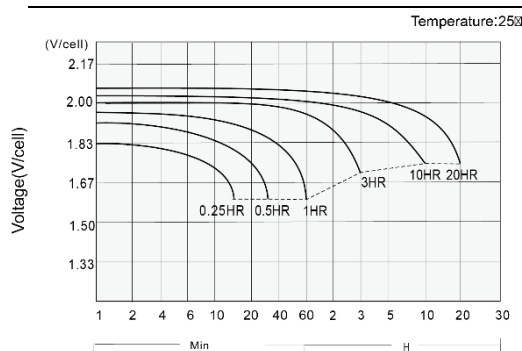
Constant Current Discharge Characteristics: Amperes (25 °C)

F.V / Time	10 min	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
1.85V	2.28	1.78	1.10	0.714	0.411	0.296	0.236	0.201	0.136	0.111	0.059
1.80V	2.42	1.86	1.14	0.731	0.418	0.301	0.240	0.204	0.138	0.112	0.059
1.75V	2.52	1.92	1.17	0.746	0.426	0.306	0.243	0.207	0.139	0.113	0.060
1.70V	2.62	1.99	1.20	0.760	0.432	0.311	0.246	0.209	0.141	0.115	0.060
1.67V	2.69	2.04	1.22	0.771	0.437	0.314	0.249	0.211	0.142	0.115	0.061
1.60V	2.80	2.11	1.25	0.789	0.446	0.319	0.253	0.215	0.144	0.117	0.062

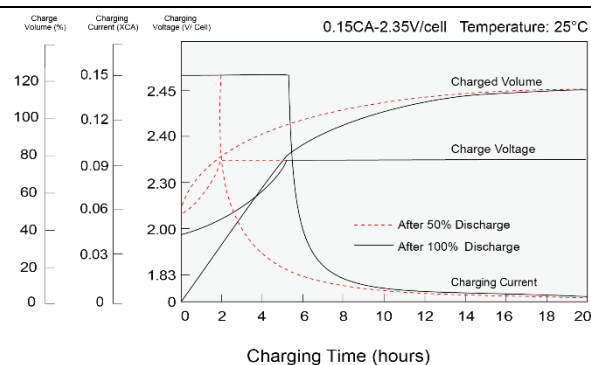
Constant Power Discharge Characteristics: Watts/ cell (25 °C)

F.V / Time	10 min	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
1.85V	4.34	3.40	2.13	1.39	0.804	0.583	0.465	0.397	0.269	0.220	0.117
1.80V	4.57	3.55	2.19	1.42	0.817	0.591	0.471	0.402	0.273	0.223	0.119
1.75V	4.72	3.64	2.23	1.44	0.830	0.599	0.477	0.407	0.275	0.225	0.120
1.70V	4.87	3.74	2.28	1.46	0.840	0.607	0.483	0.412	0.278	0.227	0.121
1.67V	4.98	3.82	2.32	1.48	0.848	0.612	0.487	0.415	0.280	0.229	0.122
1.60V	5.13	3.92	2.37	1.51	0.862	0.621	0.494	0.420	0.284	0.232	0.123

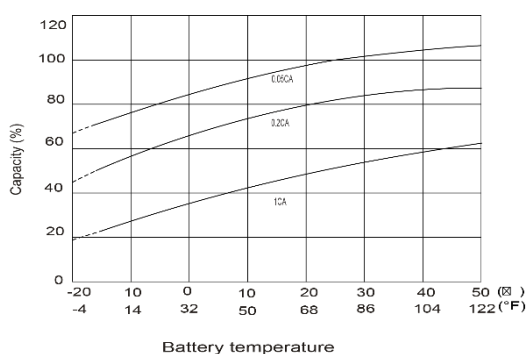
Discharge Characteristic



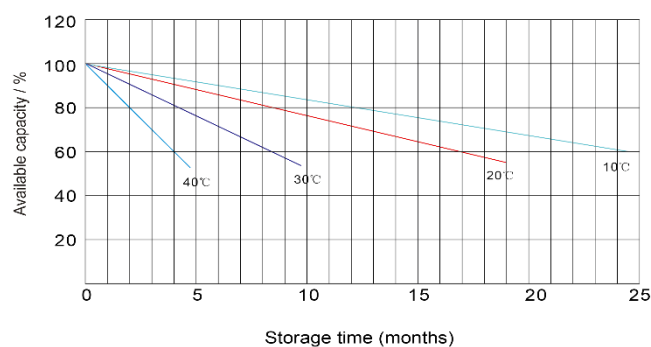
Charging Characteristics



Effects of Temperature on Capacity



Self-Discharge Characteristics



(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.