

LP12-9.0 (12V 9.0Ah)



Since 1993

Item Code: NSA LP12-9,0 T1
 EAN: 8717101026731

Specifications

Nominal Voltage	12		
Approx. Weight	2.52 Kg (5.56lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	9.00 Ah	20hr, 0.450A, 1.75V/cell	
	8.51 Ah	10hr, 0.851A, 1.75V/cell	
	7.75 Ah	5hr, 1.55A, 1.75V/cell	
	6.90 Ah	3hr, 2.30A, 1.75V/cell	
	5.98 Ah	1hr, 5.98A, 1.60V/cell	
Short-circuit Current	252A		
Internal Resistance	Approx. 17.0 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)	2.70A		
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		



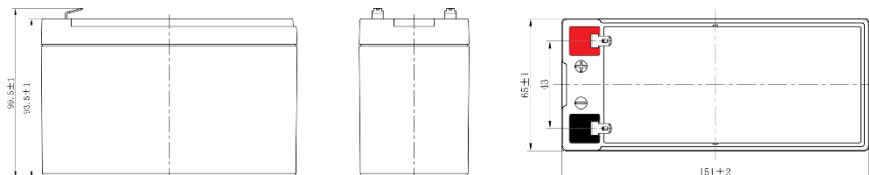
Certificates / Standards

- UL Certified MH48553
- CE Certified
- Manufactured in certified production facilities; IATF 16949/ ISO 9001/ ISO 14001



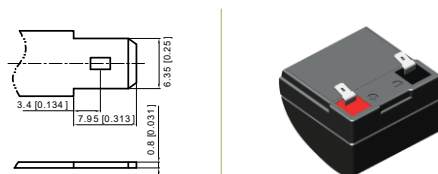
Dimensions

Layout



Length	151 mm
Width	65 mm
Container Height	93.5 mm
Total Height	99.5 mm

Terminal



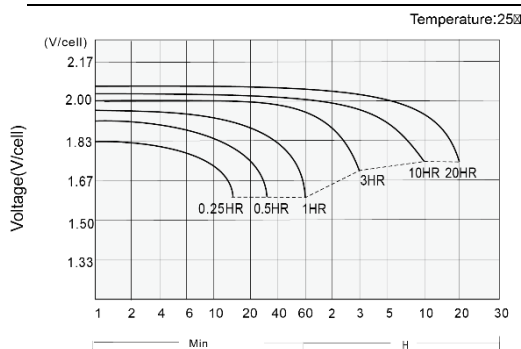
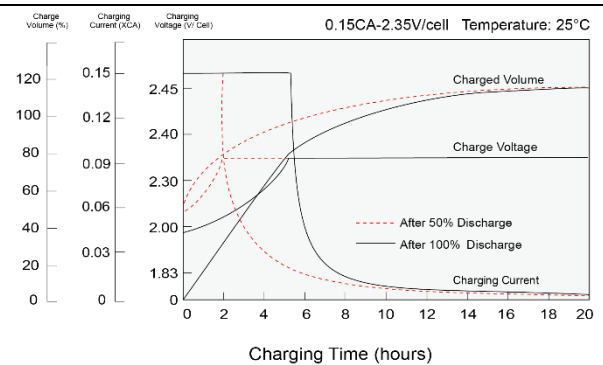
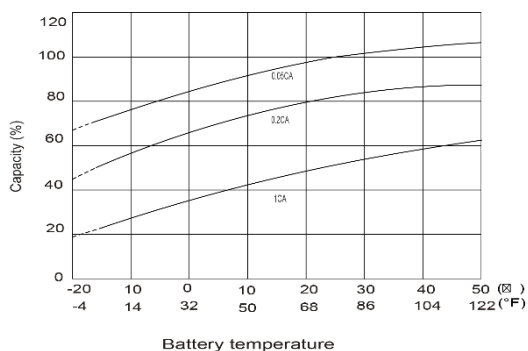
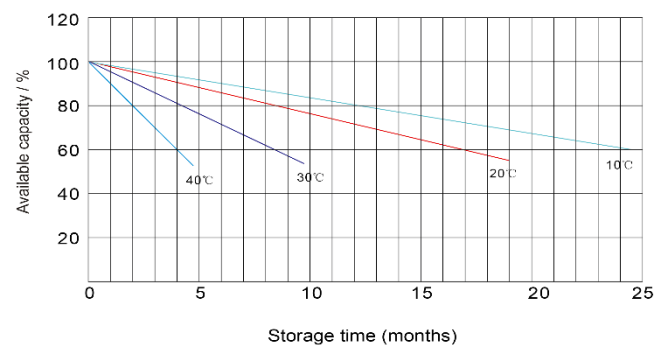
Terminal	T2
Layout	3

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	20.7	16.1	9.34	5.41	3.08	2.22	1.77	1.51	1.02	0.832	0.440
1.80V	21.9	16.9	9.63	5.54	3.14	2.26	1.80	1.53	1.03	0.843	0.445
1.75V	22.8	17.4	9.88	5.66	3.19	2.30	1.82	1.55	1.04	0.851	0.450
1.70V	23.7	18.0	10.1	5.76	3.24	2.33	1.85	1.57	1.05	0.860	0.454
1.67V	24.4	18.5	10.3	5.85	3.28	2.35	1.86	1.58	1.06	0.866	0.457
1.60V	25.4	19.1	10.6	5.98	3.34	2.40	1.90	1.61	1.08	0.877	0.462

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	39.4	30.8	18.1	10.5	6.03	4.37	3.49	2.98	2.02	1.65	0.880
1.80V	41.4	32.1	18.5	10.8	6.13	4.43	3.53	3.02	2.04	1.67	0.890
1.75V	42.8	33.0	18.9	10.9	6.22	4.49	3.58	3.05	2.06	1.69	0.900
1.70V	44.2	33.9	19.3	11.1	6.30	4.55	3.62	3.09	2.08	1.71	0.907
1.67V	45.2	34.6	19.6	11.2	6.36	4.59	3.65	3.11	2.10	1.72	0.914
1.60V	46.5	35.6	20.0	11.4	6.46	4.66	3.71	3.15	2.13	1.74	0.924

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.