

LP6-7.0 (6V 7.0Ah)



Since 1993

6-2-2026

Item Code: NSA LP6-7,0 T1
 EAN: 8717101014134

Specifications

Nominal Voltage	6		
Approx. Weight	1.00 Kg (2.20lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	7.00 Ah	20hr, 0.350A, 1.75V/cell	
	6.53 Ah	10hr, 0.653A, 1.75V/cell	
	5.85 Ah	5hr, 1.19A, 1.75V/cell	
	5.30 Ah	3hr, 1.77A, 1.75V/cell	
	4.27 Ah	1hr, 4.27A, 1.60V/cell	
Short-circuit Current	196A		
Internal Resistance	Approx. 17.0m Ω		
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)	2.10A		
Cycle Use	Voltage 7.3V~7.4V at 25°C (77 °F) Temp. Coefficient -5mV/Cell/°C		
Standby Use	Voltage 6.4V~6.8V 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		



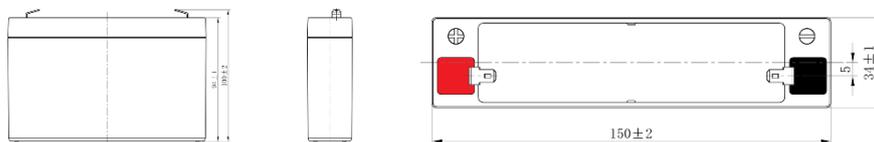
Certificates / Standards

- UL Certified MH48553
- CE Certified
- Manufactured in certified production facilities; IATF16949/ ISO9001/ ISO14001



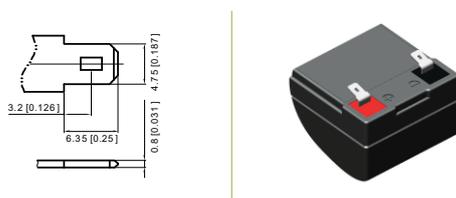
Dimensions

Layout



Length	150 mm
Width	34 mm
Container Height	94 mm
Total Height	100 mm

Terminal



Terminal	T1
Layout	1

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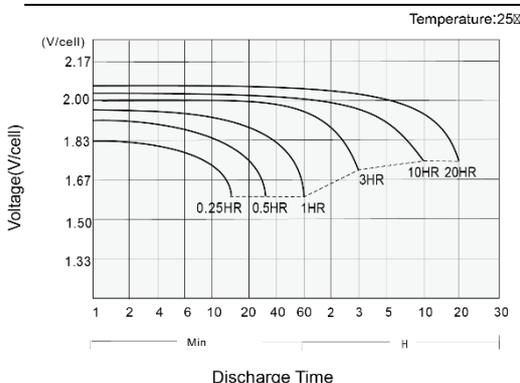
Constant Current Discharge Characteristics: Amperes (25 ° C)

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	12.5	9.90	6.12	3.91	2.38	1.72	1.36	1.16	0.780	0.637	0.343
1.80V	13.2	10.3	6.28	3.99	2.41	1.74	1.38	1.18	0.790	0.644	0.347
1.75V	13.8	10.7	6.43	4.06	2.45	1.77	1.40	1.19	0.800	0.653	0.350
1.70V	14.4	11.1	6.57	4.13	2.49	1.79	1.42	1.21	0.809	0.660	0.354
1.67V	14.8	11.3	6.67	4.17	2.51	1.81	1.43	1.22	0.816	0.665	0.356
1.60V	15.7	11.8	6.87	4.27	2.56	1.84	1.46	1.24	0.829	0.675	0.361

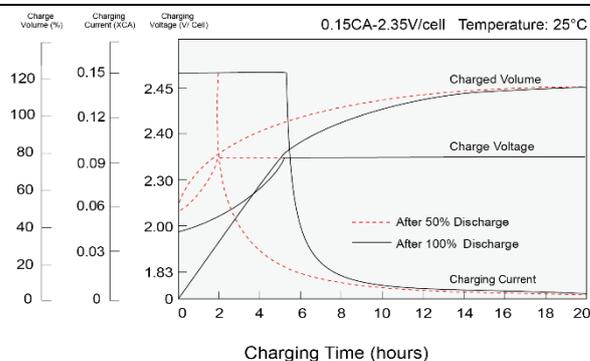
Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	23.9	19.1	11.8	7.61	4.65	3.37	2.69	2.29	1.55	1.27	0.686
1.80V	25.0	19.7	12.1	7.73	4.71	3.42	2.72	2.32	1.57	1.28	0.693
1.75V	26.1	20.3	12.3	7.84	4.77	3.46	2.76	2.35	1.58	1.29	0.700
1.70V	27.2	20.9	12.5	7.95	4.84	3.50	2.79	2.37	1.60	1.31	0.707
1.67V	27.8	21.3	12.7	8.02	4.87	3.53	2.81	2.39	1.61	1.32	0.712
1.60V	29.2	22.1	13.0	8.17	4.95	3.59	2.85	2.43	1.64	1.34	0.722

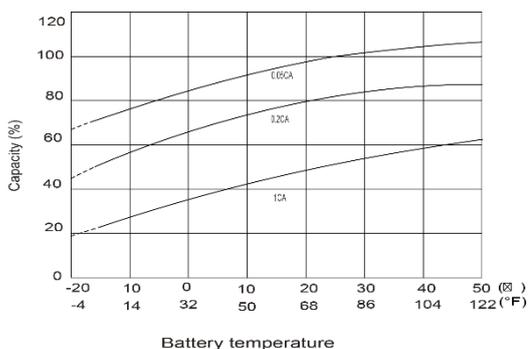
Discharge Characteristic



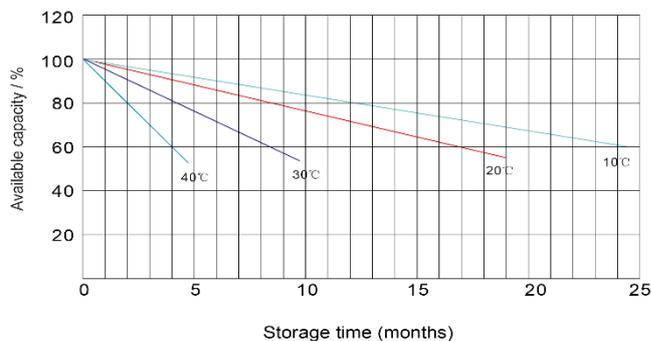
Charging Characteristics



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.