

LP12-28 (12V 28Ah)



Since 1993

6-2-2026

Item Code: NSA LP12-28 T3
 EAN: 8717101013021

Specifications

Nominal Voltage	12		
Approx. Weight	8.20 Kg (18.1lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	28.00 Ah	20hr, 1.40A, 1.75V/cell	
	26.30 Ah	10hr, 2.63A, 1.75V/cell	
	24.10 Ah	5hr, 4.82A, 1.75V/cell	
	21.42 Ah	3hr, 7.14A, 1.75V/cell	
	18.41 Ah	1hr, 18.40A, 1.60V/cell	
Short-circuit Current	700A		
Internal Resistance	Approx. 11.0 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)	8.4A		
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		



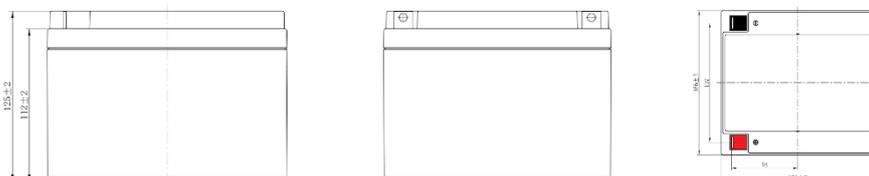
Certificates / Standards

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



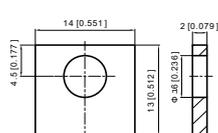
Dimensions

Layout



Length	166 mm
Width	175 mm
Container Height	125 mm
Total Height	125 mm

Terminal



Terminal	T3
Layout	0

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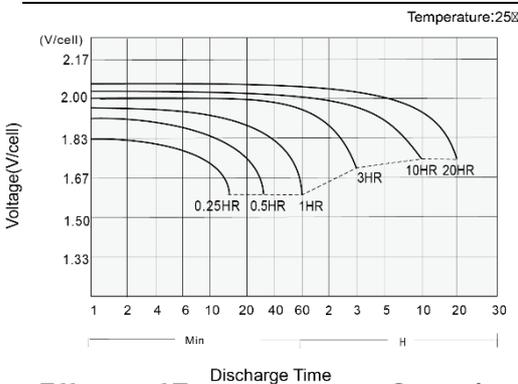
Constant Current Discharge Characteristics: Amperes (25 ° C)

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	57.6	44.8	27.8	16.7	9.58	6.92	5.51	4.69	3.16	2.57	1.37
1.80V	61.0	47.0	28.7	17.1	9.76	7.03	5.59	4.76	3.21	2.60	1.39
1.75V	63.5	48.6	29.4	17.4	9.94	7.14	5.67	4.82	3.25	2.63	1.40
1.70V	66.0	50.2	30.2	17.7	10.1	7.25	5.75	4.89	3.28	2.65	1.41
1.67V	67.9	51.4	30.7	18.0	10.2	7.32	5.80	4.93	3.31	2.67	1.42
1.60V	70.7	53.2	31.5	18.4	10.4	7.45	5.90	5.01	3.35	2.71	1.44

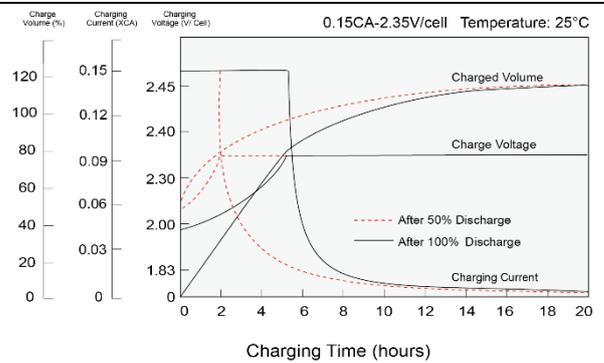
Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	109.6	85.8	53.8	32.4	18.8	13.6	10.9	9.26	6.27	5.10	2.74
1.80V	115.3	89.5	55.2	33.1	19.1	13.8	11.0	9.38	6.36	5.16	2.77
1.75V	119.1	91.9	56.4	33.6	19.4	14.0	11.1	9.49	6.42	5.21	2.80
1.70V	123.0	94.4	57.5	34.1	19.6	14.2	11.3	9.61	6.48	5.26	2.82
1.67V	125.8	96.4	58.4	34.6	19.8	14.3	11.4	9.68	6.53	5.29	2.85
1.60V	129.5	99.0	59.7	35.2	20.1	14.5	11.5	9.81	6.62	5.36	2.88

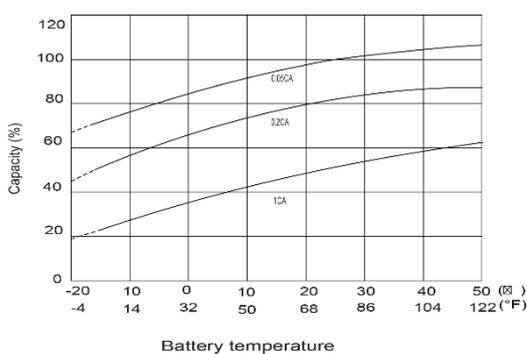
Discharge Characteristic



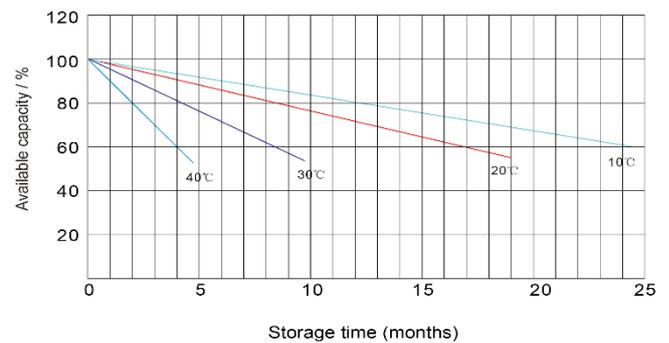
Charging Characteristics



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.