

# LP12-10H (12V 10Ah)



Since 1993

6-2-2026

Item Code: NSA LP12-10H T2  
 EAN: 8717101009543

## Specifications

<b>Nominal Voltage</b>	12		
<b>Approx. Weight</b>	3.07 Kg (6.77lbs)		
<b>Container Material</b>	ABS		
<b>Rated Capacity (25 °C)</b>	<b>10.00 Ah</b>	<b>20hr, 0.500A, 1.75V/cell</b>	
	9.46 Ah	10hr, 0.946A, 1.75V/cell	
	8.60 Ah	5hr, 1.72A, 1.75V/cell	
	7.65 Ah	3hr, 2.55A, 1.75V/cell	
	6.80 Ah	1hr, 6.80A, 1.60V/cell	
<b>Short-circuit Current</b>	280A		
<b>Internal Resistance</b>	Approx. 20.0 mΩ		
<b>Operating Temp. Range</b>	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
<b>Nominal operating temp. Range</b>	25±3°C (77±5°F)		
<b>Effect of Temp. to Capacity</b>	40 °C	104 °F	103%
	25 °C	77 °F	100%
	0 °C	32 °F	86%
<b>Max. Charging Current (25°C)</b>	3.00A		
<b>Cycle Use</b>	Voltage 14.6V~14.8V at 25°C (77 °F) Temp. Coefficient -5mV/Cell/°C		
<b>Standby Use</b>	Voltage 13.6V~13.8V at 25°C (77°F) Temp. Coefficient -3mV/Cell/°C		
<b>Self-Discharge</b>	Batteries may be stored for up to 6 months at 25°C (77°F) and then a refreshing charge is required. For higher temperatures the time interval will be shorter.		
<b>Design Life</b>	5 years		



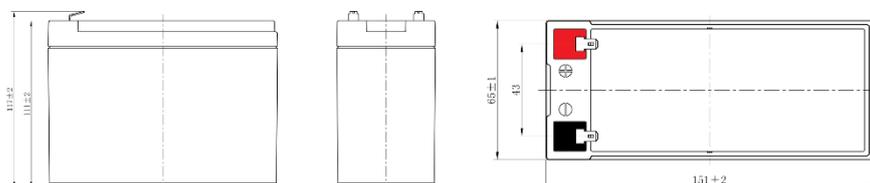
## Certificates / Standards

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



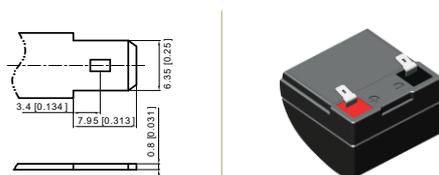
## Dimensions

### Layout



<b>Length</b>	151 mm
<b>Width</b>	65 mm
<b>Container Height</b>	111 mm
<b>Total Height</b>	117 mm

### Terminal



<b>Terminal</b>	T2
<b>Layout</b>	3

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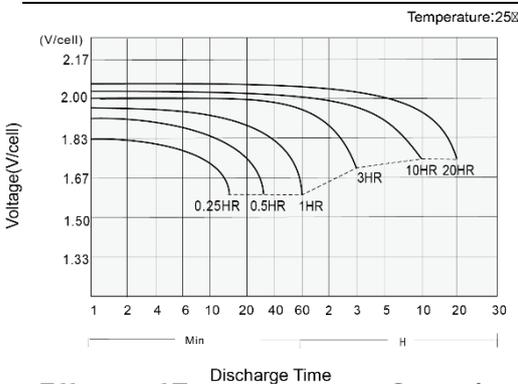
## Constant Current Discharge Characteristics: Amperes (25 ° C)

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	22.8	17.8	10.4	6.10	3.46	2.47	1.97	1.68	1.13	0.924	0.489
1.80V	24.2	18.6	10.8	6.30	3.52	2.51	2.00	1.70	1.15	0.937	0.495
1.75V	25.2	19.2	11.0	6.40	3.59	2.55	2.02	1.72	1.16	0.946	0.500
1.70V	26.2	19.9	11.3	6.50	3.64	2.59	2.05	1.74	1.17	0.955	0.504
1.67V	26.9	20.4	11.5	6.60	3.68	2.61	2.07	1.76	1.18	0.962	0.508
1.60V	28.0	21.1	11.8	6.80	3.75	2.66	2.11	1.79	1.20	0.975	0.514

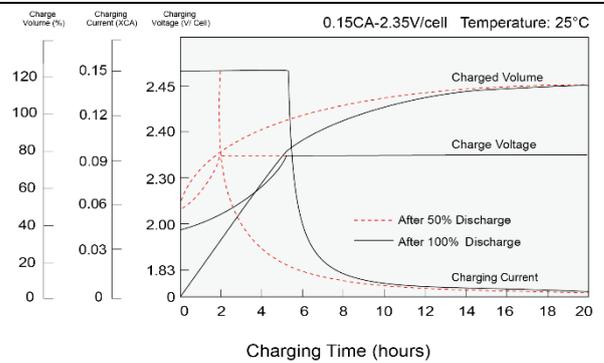
## Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	43.4	34.0	20.2	11.9	6.77	4.86	3.88	3.31	2.24	1.84	0.978
1.80V	45.7	35.5	20.7	12.2	6.88	4.93	3.93	3.35	2.27	1.86	0.989
1.75V	47.2	36.4	21.1	12.4	6.98	4.99	3.98	3.39	2.29	1.88	1.00
1.70V	48.7	37.4	21.6	12.6	7.07	5.06	4.02	3.43	2.32	1.90	1.01
1.67V	49.8	38.2	21.9	12.7	7.13	5.10	4.06	3.46	2.33	1.91	1.02
1.60V	51.3	39.2	22.4	13.0	7.25	5.18	4.12	3.50	2.36	1.93	1.03

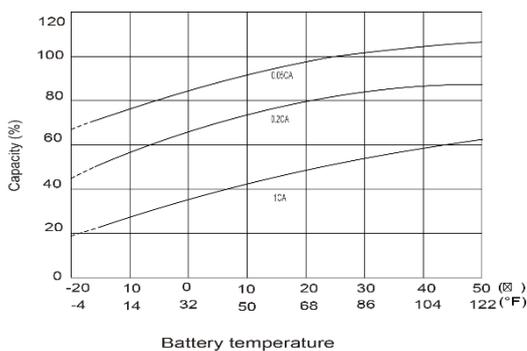
## Discharge Characteristic



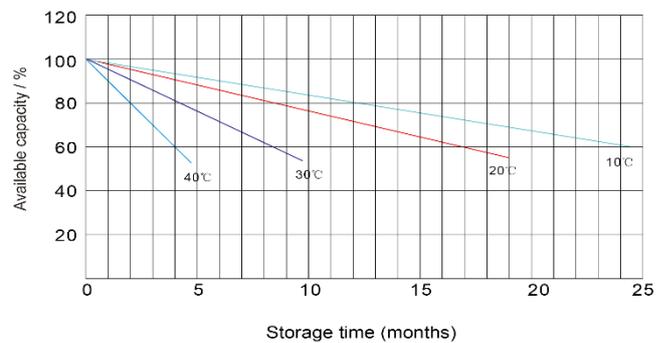
## Charging Characteristics



## 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.