

# LP12-120 (12V 120Ah)



Since 1993

6-2-2026

Item Code: NSA LP12-120 T11  
 EAN: 8717101005323

## Specifications

<b>Nominal Voltage</b>	12		
<b>Approx. Weight</b>	33.50 Kg (73.85 lbs)		
<b>Container Material</b>	ABS		
<b>Rated Capacity (25 °C)</b>	126.00 Ah	20hr, 6.30A, 1.80V/cell	
	<b>120.00 Ah</b>	<b>10hr, 12.00A, 1.80V/cell</b>	
	104.50 Ah	5hr, 20.90A, 1.75V/cell	
	93.00 Ah	3hr, 31.00A, 1.75V/cell	
	73.30 Ah	1hr, 73.30A, 1.60V/cell	
<b>Short-circuit Current</b>	2220A		
<b>Max. Discharge Current</b>	1200A (5s)		
<b>Internal Resistance</b>	Approx. 4.5m Ω		
<b>Operating Temp. Range</b>	Discharge:	-20 °C ~ 60 °C	-4 °F ~ 140 °F
	Charge:	0 °C ~ 50 °C	32 °F ~ 122 °F
	Storage:	-20 °C ~ 60 °C	-4 °F ~ 140 °F
<b>Nominal operating temp. Range</b>	25±5°C (77±9°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>	37.8A		
<b>Cycle Use</b>	Voltage 14.6 V~14.8 V at 25°C (77°F) Temp. Coefficient -4mV/°C /Cell		
<b>Standby Use</b>	Voltage 13.6 V~13.8 V at 25°C (77°F) Temp. Coefficient: -3mV/°C		
<b>Self-Discharge</b>	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.		
<b>Design life</b>	12 Years		



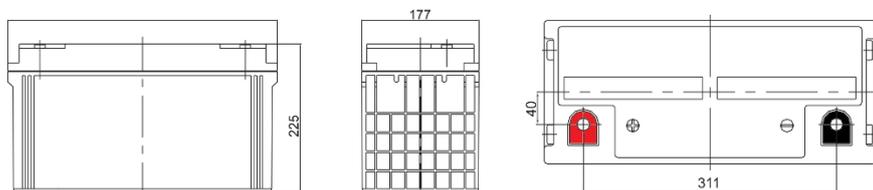
## Certificates / Standards

- UL Certified MH 64495
- CE Certified
- Manufactured in certified production facilities; ISO 9001/ ISO 14001/ OHSAS18001



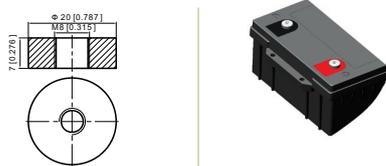
## Dimensions

### Layout



<b>Length</b>	407 mm
<b>Width</b>	177 mm
<b>Container Height</b>	225 mm
<b>Total Height</b>	225 mm

### Terminal



<b>Terminal</b>	T11
<b>Terminal Torque</b>	10~12 Nm
<b>Layout</b>	1

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Since 1993

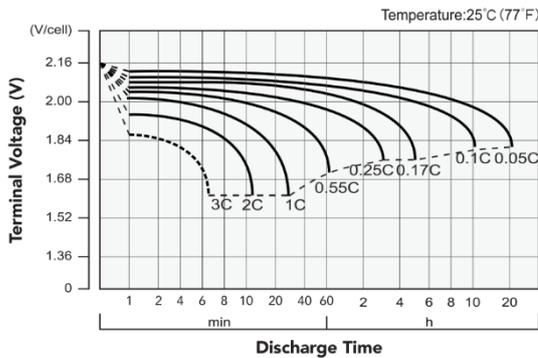
## Constant Current Discharge Characteristics: Amperes (25 ° C)

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	163.9	139.6	94.9	56.9	34.9	27.7	22.1	19.0	13.5	11.3	5.98
1.80V	200.6	168.3	110.2	63.5	38.1	30.0	23.8	20.4	14.4	12.0	6.30
1.75V	221.6	182.2	115.3	66.0	39.5	31.0	24.5	20.9	14.6	12.2	6.36
1.70V	242.0	195.8	120.6	68.5	40.9	31.9	25.2	21.5	14.8	12.3	6.44
1.67V	262.9	209.1	126.2	70.8	42.3	32.8	25.9	22.1	15.0	12.5	6.52
1.60V	278.2	218.7	131.4	73.3	43.7	33.8	26.6	22.6	15.2	12.7	6.62

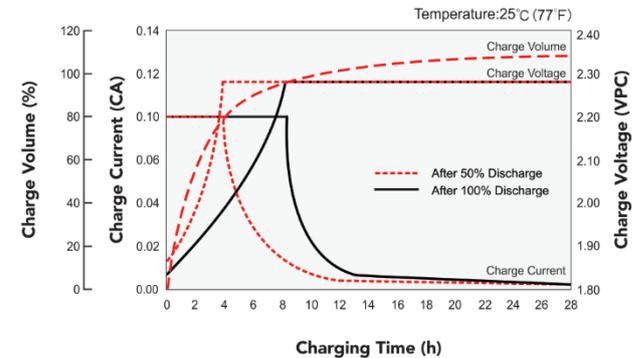
## Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	304.9	262.4	181.3	110.2	67.8	54.1	43.3	37.3	26.6	22.4	11.8
1.80V	366.5	311.8	208.4	122.1	73.6	58.3	46.4	39.9	28.3	23.7	12.5
1.75V	398.0	332.9	215.9	126.3	75.9	59.9	47.6	40.8	28.7	24.0	12.6
1.70V	427.1	352.6	223.5	130.3	78.3	61.5	48.7	41.7	29.1	24.3	12.7
1.67V	455.5	371.0	231.6	133.8	80.5	62.9	49.9	42.7	29.4	24.6	12.9
1.60V	472.9	328.3	238.7	137.8	82.8	64.6	51.1	43.6	29.7	24.9	13.0

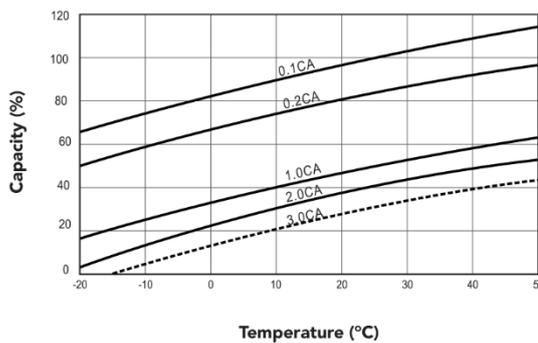
## Discharge Characteristic



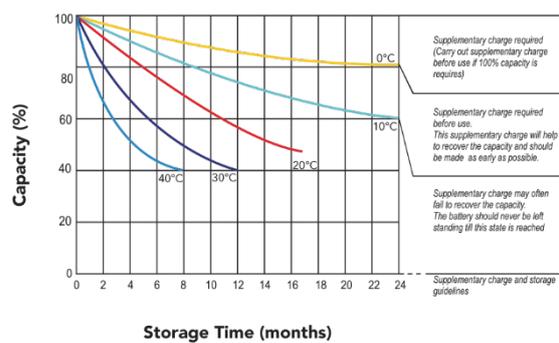
## Charging Characteristics



## 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.