

LP12-100 (12V 100Ah)



Since 1993

6-2-2026

Item Code: NSA LP12-100 T11
 EAN: 8717101005316

Specifications

Nominal Voltage	12		
Approx. Weight	28.50 Kg (62.83 lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	105.00 Ah	20hr, 5.25A, 1.80V/cell	
	100.00 Ah	10hr, 10.00A, 1.80V/cell	
	87.00 Ah	5hr, 17.40A, 1.75V/cell	
	77.40 Ah	3hr, 25.80A, 1.75V/cell	
	61.10 Ah	1hr, 61.10A, 1.60V/cell	
Short-circuit Current	2150A		
Max. Discharge Current	1000A (5s)		
Internal Resistance	Approx. 5.50m Ω		
Operating Temp. Range	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
Nominal operating temp. Range	25±5°C (77±9°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)	31.5A		
Cycle Use	Voltage 14.6 V~14.8 V at 25°C (77°F) Temp. Coefficient -4mV/°C /Cell		
Standby Use	Voltage 13.6 V~13.8 V at 25°C (77°F) Temp. Coefficient: -3mV/°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	12 Years		



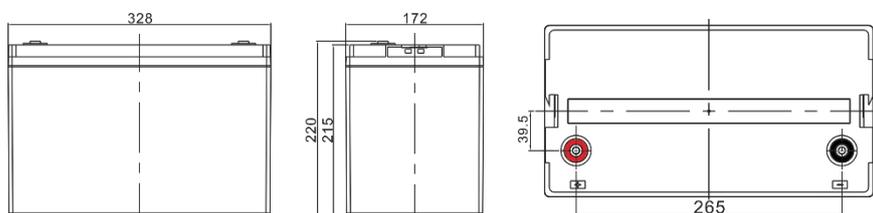
Certificates / Standards

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



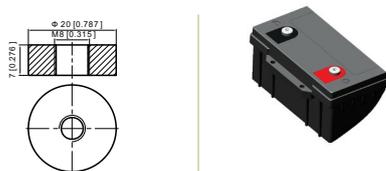
Dimensions

Layout



Length	328 mm
Width	172 mm
Container Height	215 mm
Total Height	220 mm

Terminal



Terminal	T11
Terminal Torque	10~12 Nm
Layout	1

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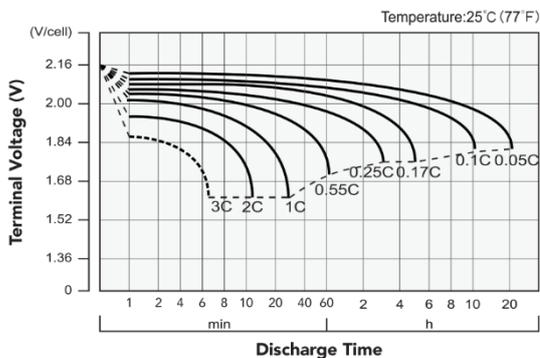
Constant Current Discharge Characteristics: Amperes (25 ° C)

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	136.6	118.4	79.1	47.4	29.1	23.1	18.5	15.9	11.2	9.41	4.98
1.80V	167.1	142.7	91.8	52.9	31.7	25.0	19.9	17.0	12.0	10.0	5.25
1.75V	184.6	154.5	96.0	55.0	32.9	25.8	20.4	17.4	12.2	10.1	5.30
1.70V	201.7	166.0	100.5	57.1	34.1	26.6	21.0	17.9	12.3	10.3	5.36
1.67V	219.1	177.3	105.1	59.0	35.2	27.3	21.6	18.4	12.5	10.4	5.43
1.60V	231.9	185.4	109.5	61.1	36.4	28.2	22.2	18.9	12.7	10.5	5.52

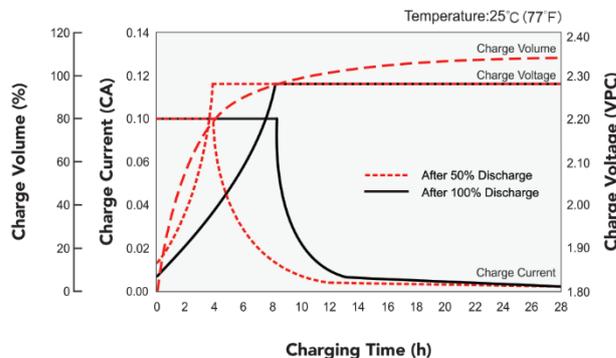
Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	254.1	222.4	151.1	91.9	56.5	45.1	36.1	31.1	22.2	18.6	9.87
1.80V	305.4	264.3	173.7	101.8	61.3	48.6	38.7	33.2	23.6	19.8	10.4
1.75V	331.6	282.2	179.9	105.2	63.3	49.9	39.7	34.0	23.9	20.0	10.5
1.70V	355.9	298.9	186.3	108.6	65.3	51.2	40.6	34.8	24.2	20.2	10.6
1.67V	379.6	314.5	193.0	111.5	67.1	52.4	41.6	35.6	24.5	20.5	10.7
1.60V	394.1	324.1	198.9	114.8	69.0	53.9	42.6	36.4	24.8	20.7	10.9

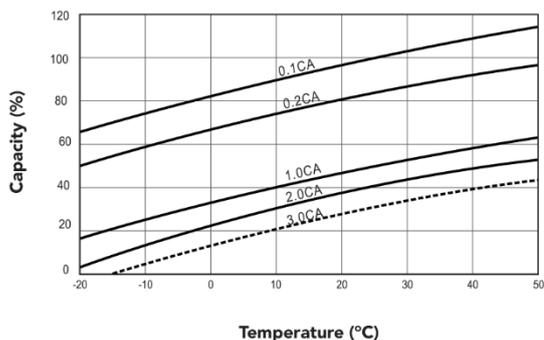
Discharge Characteristic



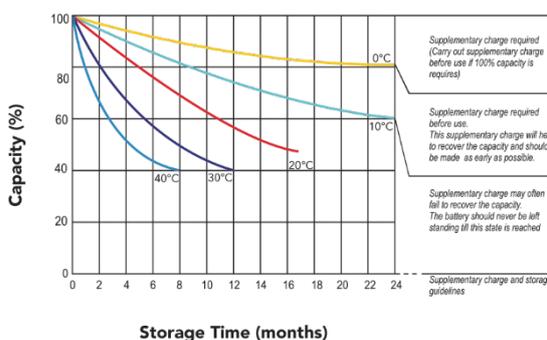
Charging Characteristics



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.