

LP12-80H (12V 80Ah)



Since 1993

6-2-2026

Item Code: NSA LP12-80H T6
 EAN: 8717101021330

Specifications

Nominal Voltage	12		
Approx. Weight	22.50 Kg (49.60 lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	84.00 Ah	20hr, 4.20A, 1.80V/cell	
	80.00 Ah	10hr, 8.00A, 1.80V/cell	
	70.00 Ah	5hr, 14.00A, 1.75V/cell	
	61.80 Ah	3hr, 20.60A, 1.75V/cell	
	48.90 Ah	1hr, 48.90A, 1.60V/cell	
Short-circuit Current	1840A		
Max. Discharge Current	800A (5s)		
Internal Resistance	Approx. 7.0m 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)	25.2A		
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		



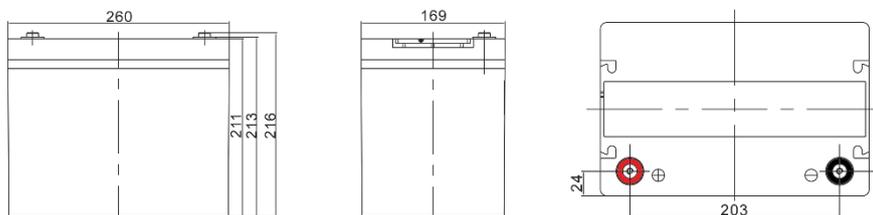
Certificates / Standards

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



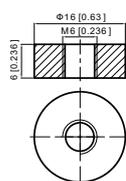
Dimensions

Layout



Length	260 mm
Width	169 mm
Container Height	211 mm
Total Height	216 mm

Terminal



Terminal	T6
Terminal Torque	8 ~ 10 Nm
Layout	1

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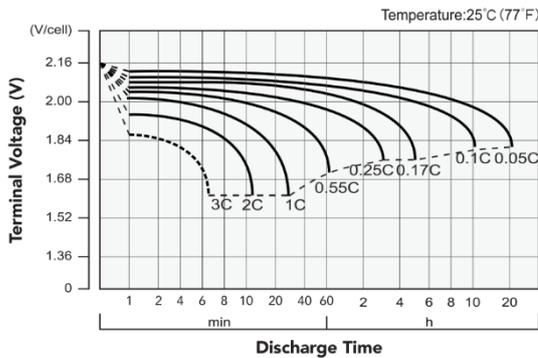
Constant Current Discharge Characteristics: Amperes (25 ° C)

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	110.5	92.8	62.0	38.0	23.2	18.5	14.8	12.7	8.99	7.53	3.99
1.80V	135.2	111.9	72.0	42.3	25.4	20.0	15.9	13.6	9.57	8.00	4.20
1.75V	149.3	121.1	75.3	44.0	26.3	20.6	16.4	14.0	9.74	8.10	4.24
1.70V	163.1	130.2	78.8	45.7	27.3	21.3	16.8	14.3	9.87	8.21	4.29
1.67V	177.2	139.0	82.4	47.2	28.2	21.9	17.3	14.7	10.0	8.34	4.34
1.60V	187.5	145.4	85.9	48.9	29.1	22.6	17.7	15.1	10.1	8.44	4.41

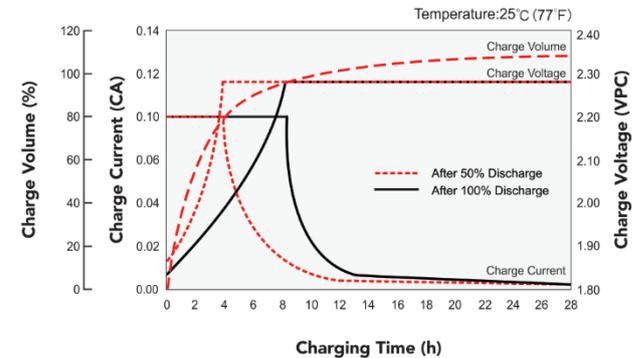
Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	205.5	174.4	118.4	73.5	45.2	36.1	28.9	24.9	17.7	14.9	7.90
1.80V	247.0	207.2	136.2	81.4	49.1	38.8	31.0	26.6	18.9	15.8	8.31
1.75V	268.2	221.3	141.0	84.2	50.6	39.9	31.8	27.2	19.1	16.0	8.38
1.70V	287.8	234.4	146.1	86.9	52.2	41.0	32.5	27.8	19.4	16.2	8.47
1.67V	307.0	246.6	151.3	89.2	53.7	41.9	33.2	28.4	19.6	16.4	8.57
1.60V	318.8	254.1	156.0	91.9	55.2	43.1	34.0	29.1	19.8	16.6	8.69

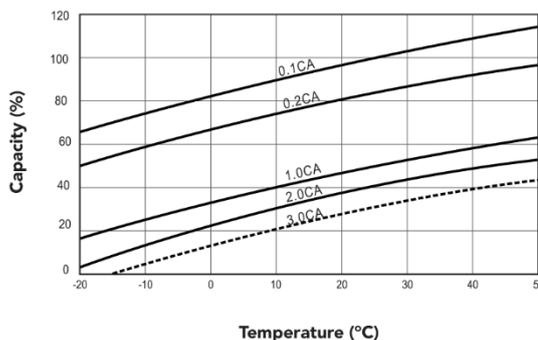
Discharge Characteristic



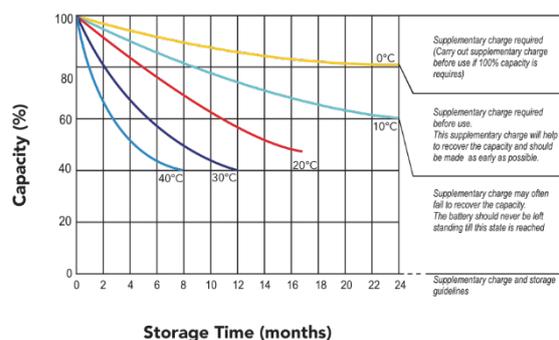
Charging Characteristics



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.