

LP12-60 (12V 55Ah)



Since 1993

Item Code: NSA LP12-60 T6
 EAN: 8717101021507

Specifications

Nominal Voltage	12		
Approx. Weight	16.50 Kg (36.37 lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	57.80 Ah	20hr, 2.89A, 1.80V/cell	
	55.00 Ah	10hr, 5.50A, 1.80V/cell	
	48.00 Ah	5hr, 9.60A, 1.75V/cell	
	42.60 Ah	3hr, 14.20A, 1.75V/cell	
	33.60 Ah	1hr, 33.60A, 1.60V/cell	
Short-circuit Current	1160A		
Max. Discharge Current	550A (5s)		
Internal Resistance	Approx. 6.0m 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)	17.3A		
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		



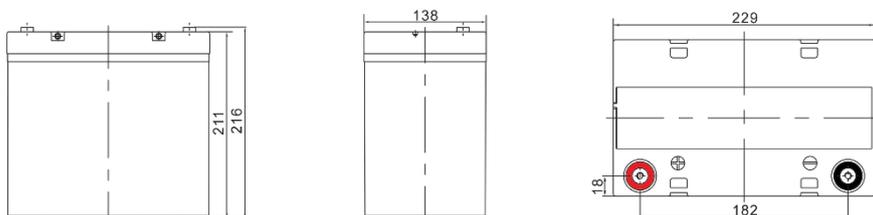
Certificates / Standards

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



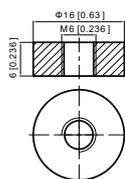
Dimensions

Layout



Length	229 mm
Width	138 mm
Container Height	211 mm
Total Height	216 mm

Terminal



Terminal	T6
Terminal Torque	8 ~ 10 Nm
Layout	1

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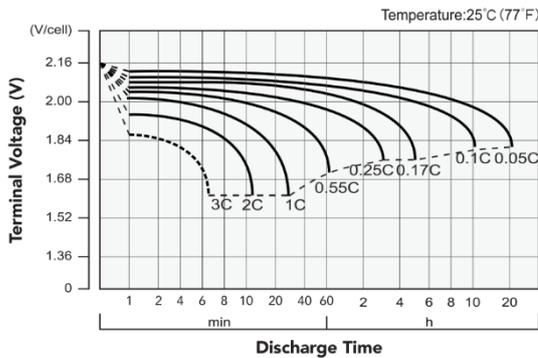
Constant Current Discharge Characteristics: Amperes (25 ° C)

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	79.1	65.1	43.5	26.1	16.0	12.7	10.2	8.72	6.18	5.18	2.74
1.80V	96.8	78.5	50.5	29.1	17.4	13.8	10.9	9.35	6.58	5.50	2.89
1.75V	106.9	85.0	52.8	30.2	18.1	14.2	11.2	9.60	6.69	5.57	2.91
1.70V	116.8	91.3	55.3	31.4	18.7	14.6	11.5	9.84	6.79	5.65	2.95
1.67V	126.8	97.5	57.8	32.5	19.4	15.0	11.9	10.1	6.90	5.73	2.99
1.60V	134.2	102.0	60.2	33.6	20.0	15.5	12.2	10.4	6.97	5.80	3.04

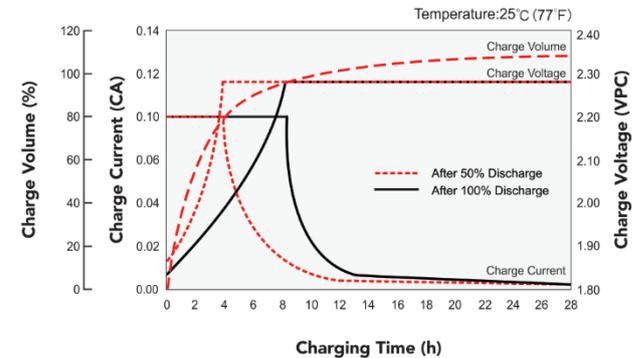
Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	147.1	122.3	83.1	50.5	31.1	24.8	19.9	17.1	12.2	10.2	5.43
1.80V	176.8	145.4	95.5	56.0	33.7	26.7	21.3	18.3	13.0	10.9	5.71
1.75V	192.0	155.2	98.9	57.9	34.8	27.5	21.8	18.7	13.2	11.0	5.76
1.70V	206.0	164.4	102.5	59.7	35.9	28.2	22.3	19.1	13.3	11.1	5.83
1.67V	219.8	173.0	106.1	61.3	36.9	28.8	22.9	19.6	13.5	11.3	5.89
1.60V	228.2	178.3	109.4	63.1	37.9	29.6	23.4	20.0	13.6	11.4	5.98

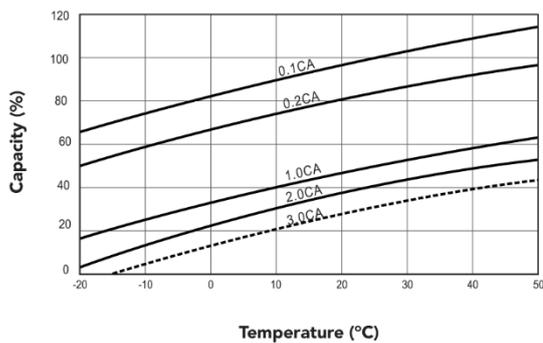
Discharge Characteristic



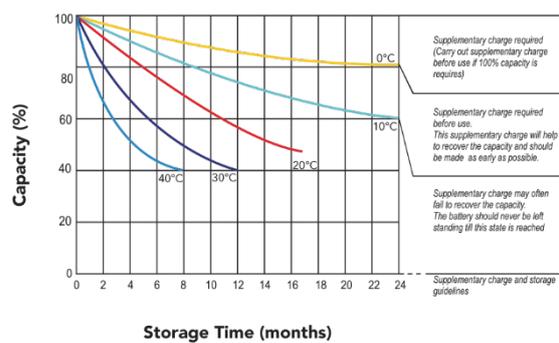
Charging Characteristics



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.