

LP12-55 (12V 55Ah)



Since 1993

Item Code: NSA LP12-55 T6
 EAN: 8717101012963

Specifications

Nominal Voltage	12		
Approx. Weight	16.2 Kg (35.7lbs)		
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	
	50.00 Ah	5hr, 10.00A, 1.75V/cell	
	45.60 Ah	3hr, 15.20A, 1.75V/cell	
	35.10 Ah	1hr, 35.10A, 1.60V/cell	
Short-circuit Current	1265A		
Internal Resistance	Approx. 9.0 mΩ		
Operating Temp. Range	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
Nominal operating temp. Range	25±3°C (77±5°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 14.6V~14.8V at 25°C (77 °F) Temp. Coefficient -5mV/Cell/°C		
Standby Use	Voltage 13.6V~13.8V at 25°C (77°F) Temp. Coefficient -3mV/Cell/°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	10 years		



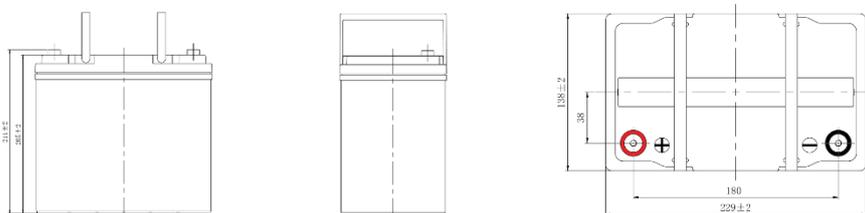
Certificates / Standards

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



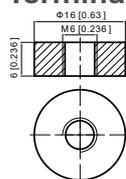
Dimensions

Layout



Length	229 mm
Width	138 mm
Container Height	205 mm
Total Height	211 mm

Terminal



Terminal	T6
Layout	1

LP12-55 (12V 55Ah)



Since 1993

6-2-2026

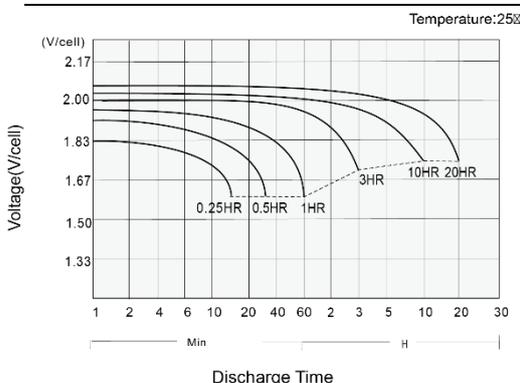
Constant Current Discharge Characteristics: Amperes (25 ° C)

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	79.7	70.5	55.5	30.7	18.7	13.7	10.8	9.35	6.34	5.25	2.79
1.80V	90.5	79.9	62.7	31.8	19.3	14.9	11.5	9.83	6.67	5.50	2.89
1.75V	98.2	86.5	97.7	33.4	20.4	15.2	11.7	10.0	6.70	5.56	2.92
1.70V	1024.7	91.9	71.8	34.1	20.8	15.5	11.9	10.2	6.81	5.61	2.95
1.67V	108.0	94.6	73.8	34.6	21.1	15.6	12.1	10.4	6.90	5.68	2.98
1.60V	111.7	97.5	75.7	35.1	21.4	15.8	12.2	10.5	6.99	5.75	3.02

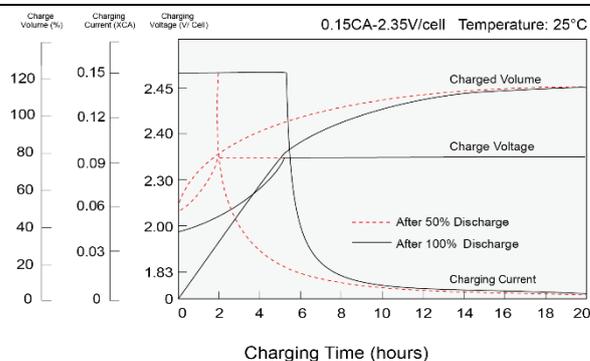
Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	145.4	133.6	94.8	59.4	36.4	26.8	21.1	18.4	12.6	10.4	5.55
1.80V	162.7	149.4	102.4	61.2	37.4	29.0	22.5	19.3	13.2	10.9	5.74
1.75V	173.6	159.5	103.7	64.0	39.2	29.5	22.8	19.6	13.2	11.0	5.79
1.70V	182.5	167.6	104.9	64.9	39.9	29.9	23.1	19.8	13.4	11.1	5.84
1.67V	185.5	170.4	105.6	65.5	40.3	30.1	23.4	20.2	13.6	11.2	5.91
1.60V	188.1	172.8	106.1	66.0	40.6	30.2	23.6	20.4	13.7	11.4	5.97

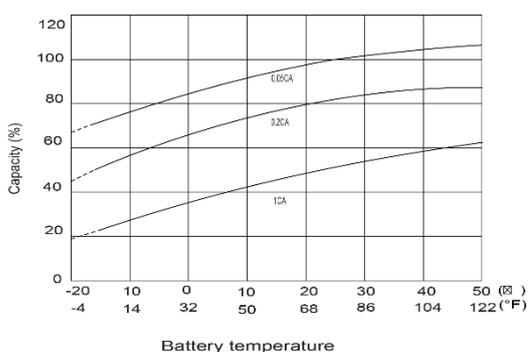
Discharge Characteristic



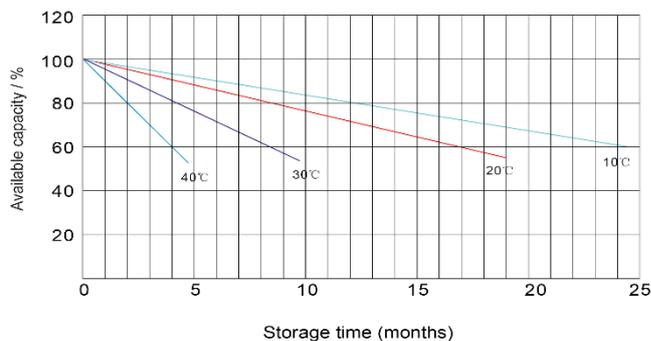
Charging Characteristics



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.