

LP12-0.8 (12V 0.8Ah)



Since 1993

Item Code: NSA LP12-0,8
 EAN: 8717101011225

Specifications

Nominal Voltage	12		
Approx. Weight	0.33 Kg (0.728lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	0.80 Ah	20hr, 0.040A, 1.75V/cell	
	0.76 Ah	10hr, 0.076 A, 1.75V/cell	
	0.67 Ah	5hr, 0.134 A, 1.75V/cell	
	0.588 Ah	3hr, 0.196 A, 1.75V/cell	
	0.486 Ah	1hr, 0.486 A, 1.60V/cell	
Short-circuit Current	22.4A		
Internal Resistance	Approx. 180.0 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)	0.24A		
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	5 years		



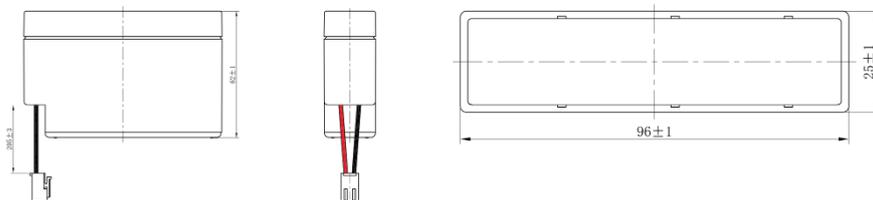
Certificates / Standards

- UL Certified
- CE Certified
- Manufactured in certified production facilities; IATF16949/ ISO9001/ ISO14001



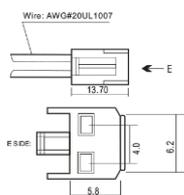
Dimensions

Layout



Length	96 mm
Width	25 mm
Container Height	62 mm
Total Height	62 mm

Terminal



Terminal	T20
Layout	-

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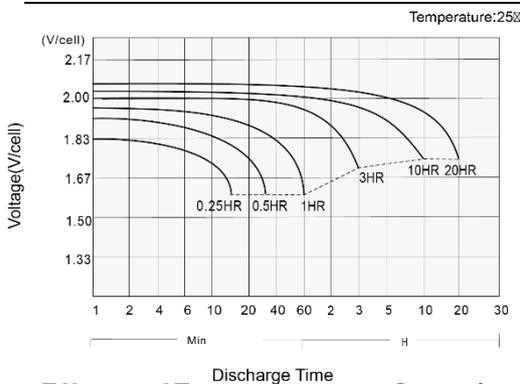
Constant Current Discharge Characteristics: Amperes (25 ° C)

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	1.07	0.883	0.614	0.386	0.236	0.180	0.148	0.125	0.086	0.072	0.040
1.80V	1.28	1.02	0.680	0.416	0.251	0.189	0.155	0.131	0.090	0.074	0.040
1.75V	1.44	1.13	0.726	0.438	0.262	0.196	0.160	0.134	0.092	0.076	0.040
1.70V	1.59	1.22	0.763	0.456	0.272	0.202	0.164	0.138	0.093	0.077	0.041
1.67V	1.71	1.29	0.795	0.475	0.280	0.270	0.168	0.141	0.095	0.078	0.042
1.60V	1.79	1.35	0.818	0.486	0.289	0.212	0.172	0.144	0.097	0.080	0.042

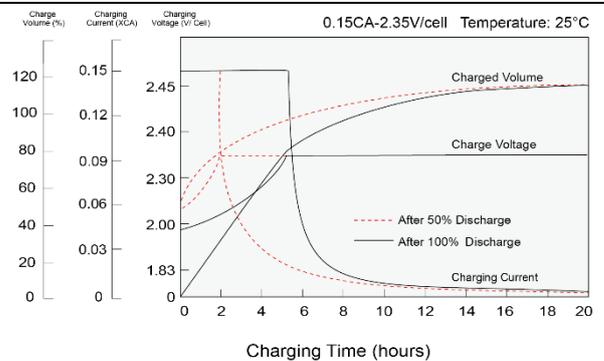
Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

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	2.04	1.70	1.20	0.761	0.467	0.357	0.295	0.251	0.174	0.145	0.080
1.80V	2.41	1.95	1.32	0.815	0.494	0.374	0.308	0.260	0.179	0.149	0.080
1.75V	2.70	2.13	1.40	0.853	0.512	0.384	0.316	0.266	0.183	0.151	0.081
1.70V	2.94	2.29	1.46	0.884	0.530	0.395	0.322	0.271	0.184	0.153	0.082
1.67V	3.13	2.39	1.51	0.915	0.543	0.403	0.327	0.275	0.187	0.154	0.082
1.60V	3.21	2.46	1.53	0.928	0.556	0.410	0.333	0.279	0.189	0.156	0.082

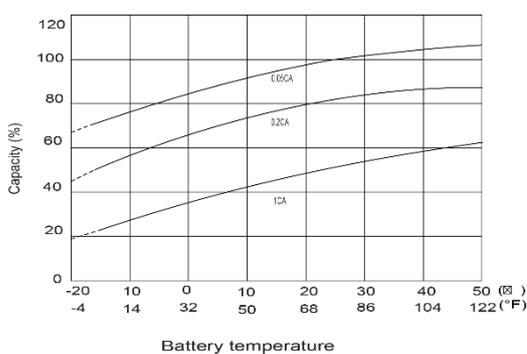
Discharge Characteristic



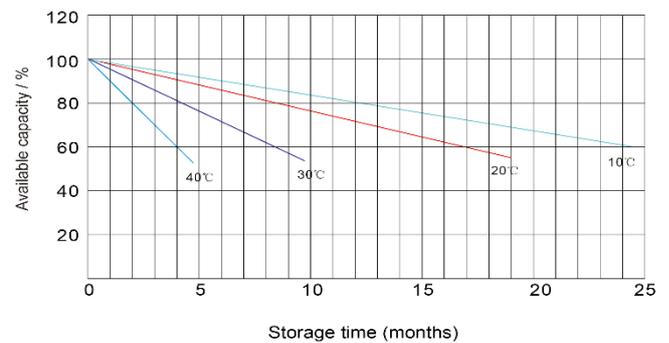
Charging Characteristics



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.