LP SERIES ϟ VRLA AGM BATTERY ϟ MULTI-PURPOSE SERIES

LP12-4.0L (12V 4.0Ah)

6-2-2026

Since 1993

Item Code: NSA LP12-4,0L T1
EAN: 8717101005309

Specifications

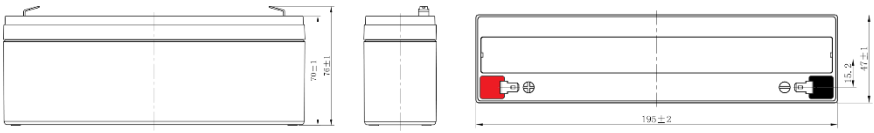
Nominal Voltage	12		
Approx. Weight	1.50 Kg (3.31lbs)		
Container Material	ABS		
Rated Capacity (25˚C)	**4.00 Ah**		**20hr, 0.200A, 1.75V/cell**
	3.72 Ah		10hr, 0.372A, 1.75V/cell
	3.39 Ah		5hr, 0.679A, 1.75V/cell
	3.03 Ah		3hr, 1.01A, 1.75V/cell
	2.33 Ah		1hr, 2.33A, 1.60V/cell
Short-circuit Current	112A		
Internal Resistance	Approx. 37.0 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)	1.20A		
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 MH45883
- CE Certified
- Manufactured in certified production facilities; IATF16949/ ISO9001/ ISO14001

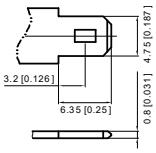
Dimensions

Layout



Length	195 mm
Width	47 mm
Container Height	70 mm
Total Height	76 mm

Terminal



Terminal	T1
Layout	1

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LP BATTERIES Since 1993

6-2-2026

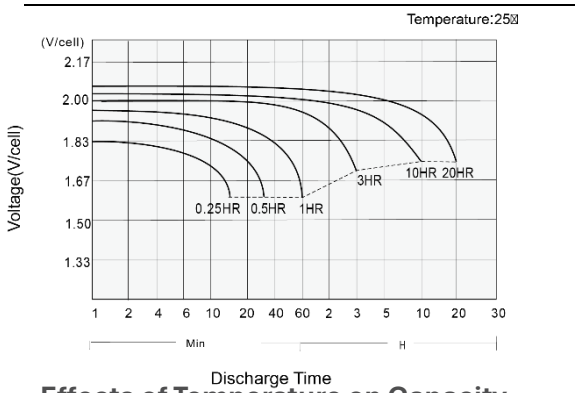
Constant Current Discharge Characteristics: Amperes (25˚C)

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	7.09	5.63	3.46	2.14	1.36	0.978	0.778	0.622	0.445	0.363	0.195
1.80V	7.45	5.85	3.55	2.18	1.38	0.990	0.789	0.671	0.450	0.367	0.198
1.75V	7.81	6.06	3.64	2.22	1.40	1.01	0.799	0.679	0.456	0.372	0.200
1.70V	8.18	6.27	3.72	2.26	1.43	1.02	0.811	0.688	0.461	0.376	0.202
1.67V	8.40	6.41	3.77	2.28	1.44	1.03	0.817	0.694	0.465	0.379	0.203
1.60V	8.91	6.70	3.88	2.33	1.47	1.05	0.833	0.706	0.472	0.385	0.206

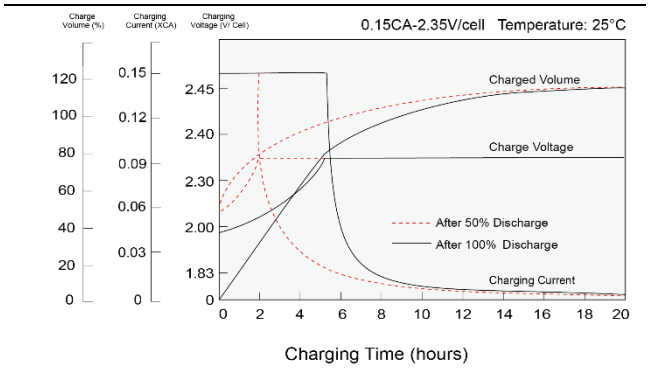
Constant Power Discharge Characteristics: Watts/ cell (25˚C)

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	13.6	10.8	6.70	4.16	2.66	1.92	1.53	1.31	0.822	0.721	0.391
1.80V	14.2	11.2	6.83	4.22	2.70	1.95	1.55	1.32	0.892	0.730	0.395
1.75V	14.8	11.5	6.97	4.28	2.73	1.97	1.57	1.34	0.902	0.738	0.399
1.70V	15.4	11.9	7.09	4.34	2.77	2.00	1.59	1.35	0.912	0.746	0.403
1.67V	15.8	12.1	7.17	4.38	2.79	2.01	1.60	1.36	0.919	0.751	0.406
1.60V	16.6	12.5	7.35	4.46	2.84	2.04	1.63	1.38	0.933	0.762	0.411

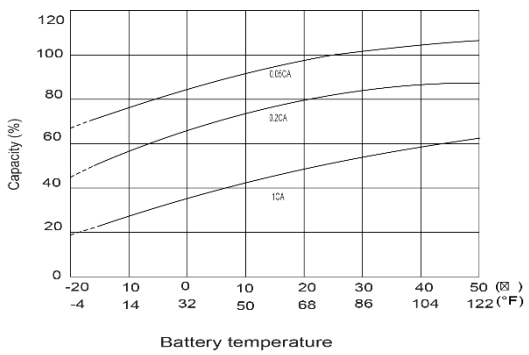
Discharge Characteristic



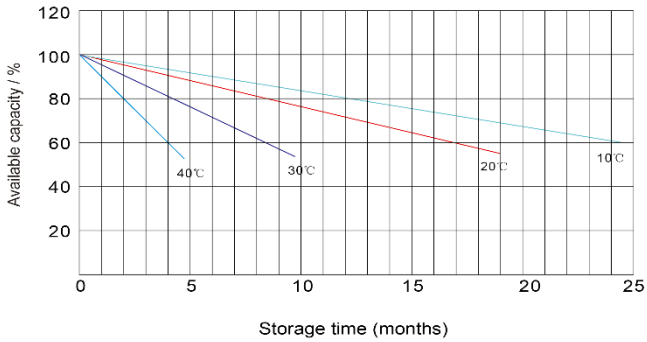
Charging Characteristics



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.