LP SERIES ϟ VRLA AGM BATTERY ϟ MULTI-PURPOSE SERIES

LP12-80 (12V 80Ah)

6-2-2026

Since 1993

Item Code: NSA LP12-80 T6
EAN: 8717101012987

Specifications

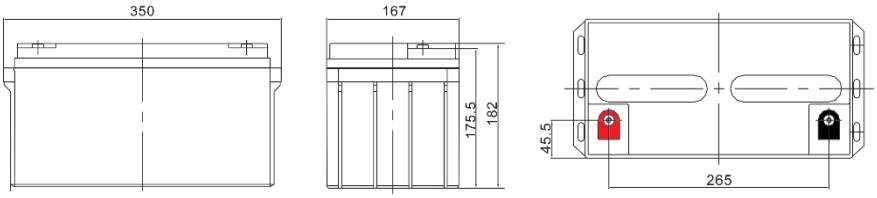
Nominal Voltage	12		
Approx. Weight	21.50 Kg (47.39 lbs)		
Container Material	ABS		
Rated Capacity (25˚C)	84.00 Ah		20hr, 4.20A, 1.80V/cell
	80.00 Ah		**10hr, 8.00A, 1.80V/cell**
	70.00 Ah		5hr, 14.00A, 1.75V/cell
	61.80 Ah		3hr, 20.60A, 1.75V/cell
	48.90 Ah		1hr, 48.90A, 1.60V/cell
Short-circuit Current	1840A		
Max. Discharge Current	800A (5s)		
Internal Resistance	Approx. 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)	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

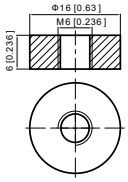
Dimensions

Layout



Length	350 mm
Width	167 mm
Container Height	182 mm
Total Height	182 mm

Terminal



Terminal	T6
Terminal Torque	8 ~ 10 Nm
Layout	1

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LP BATTERIES

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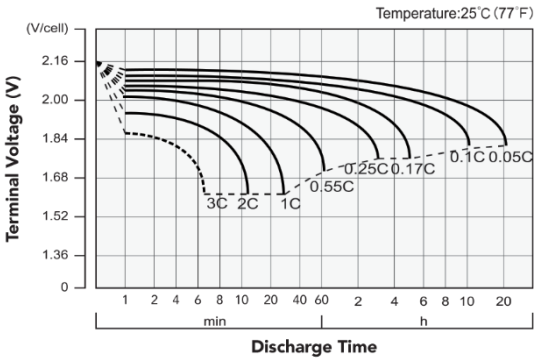
Constant Current Discharge Characteristics: Amperes (25˚C)

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	115.0	94.7	63.3	38.0	23.2	18.5	14.8	12.7	8.99	7.53	3.99
1.80V	140.7	114.1	73.4	42.3	25.4	20.0	15.9	13.6	9.57	8.00	4.20
1.75V	155.5	123.6	76.8	44.0	26.3	20.6	16.4	14.0	9.74	8.10	4.24
1.70V	169.9	132.8	80.4	45.7	27.3	21.3	16.8	14.3	9.87	8.21	4.29
1.67V	184.5	141.8	84.1	47.2	28.2	21.9	17.3	14.7	10.0	8.34	4.34
1.60V	195.3	148.3	87.6	48.9	29.1	22.6	17.7	15.1	10.1	8.44	4.41

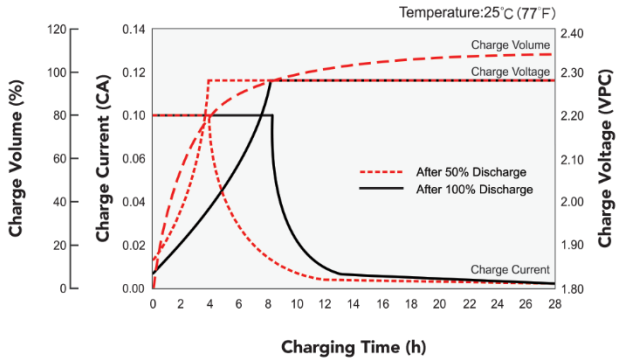
Constant Power Discharge Characteristics: Watts/ cell (25˚C)

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	213.9	177.9	120.8	73.5	45.2	36.1	28.9	24.9	17.7	14.9	7.90
1.80V	257.2	211.4	138.9	81.4	49.1	38.8	31.0	26.6	18.9	15.8	8.31
1.75V	279.3	225.8	143.9	84.2	50.6	39.9	31.8	27.2	19.1	16.0	8.38
1.70V	299.7	239.2	149.0	86.9	52.2	41.0	32.5	27.8	19.4	16.2	8.47
1.67V	319.7	251.6	154.4	89.2	53.7	41.9	33.2	28.4	19.6	16.4	8.57
1.60V	331.9	259.3	159.1	91.9	55.2	43.1	34.0	29.1	19.8	16.6	8.69

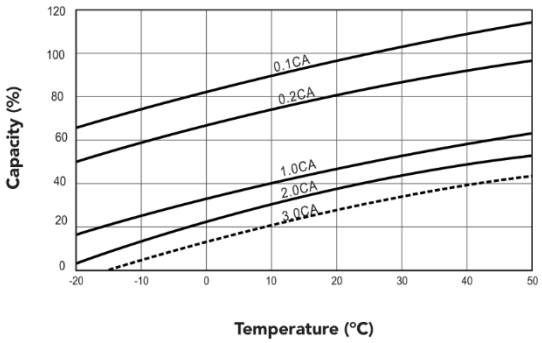
Discharge Characteristic



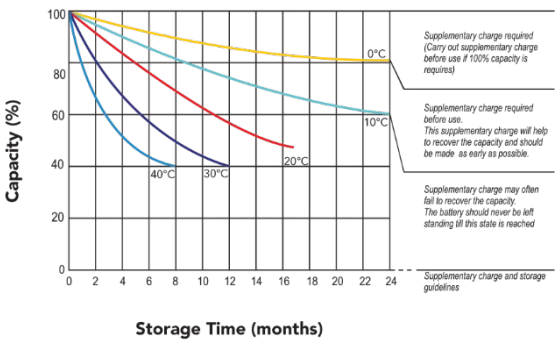
Charging Characteristics



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.