



LP12-3.4 (12V 3.4Ah)

LP SERIES • VRLA AGM BATTERY • MULTI-PURPOSE SERIES

SPECIFICATIONS

Rated Voltage		12V
Nominal Capacity (25°C)		3.4Ah
Length		134±2mm (5.28inches)
Width		67±1mm (2.64inches)
Container Height		59.5±1mm (2.34inches)
Total Height		65.5±1mm (2.74inches)
Approx Weight		1.35kg (2.98lbs)
Terminal		T1/T2
Internal Resistance (25°C)		Approx 45 mΩ (Fully charged)
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range		25±3°C (77±5°F)
Max.Charging Current (25°C)		0.3C
Charge voltage standby use(25°C)		13.5-13.8V/cell Temp. Coefficient -20mV/cell/°C
Charge voltage cycle use(25°C)		14.4-15.0V/cell Temp. Coefficient -30mV/cell/°C
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%

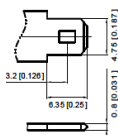
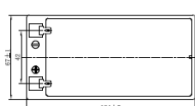


VdS
G124021

LAYOUT

TERMINAL

UL CERTIFICATION



Constant Current Discharge Characteristics: A (25°C)

F.V/Time	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1Hr	1.5 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr
1.85V/cell	10.6	7.36	5.72	4.66	3.43	2.47	1.94	1.45	1.15	0.845	0.681	0.586	0.502	0.396	0.323	0.171
1.80V/cell	11.4	7.80	6.01	4.84	3.53	2.54	1.99	1.48	1.18	0.859	0.691	0.595	0.510	0.401	0.328	0.173
1.75V/cell	12.0	8.11	6.21	4.98	3.62	2.59	2.03	1.50	1.20	0.872	0.700	0.602	0.516	0.406	0.331	0.175
1.70V/cell	12.5	8.44	6.41	5.12	3.72	2.65	2.07	1.53	1.21	0.885	0.710	0.611	0.522	0.410	0.334	0.176
1.67V/cell	13.0	8.67	6.57	5.23	3.78	2.69	2.10	1.55	1.23	0.894	0.717	0.616	0.527	0.413	0.337	0.178
1.60V/cell	13.8	9.04	6.80	5.38	3.88	2.76	2.15	1.58	1.25	0.910	0.729	0.626	0.534	0.419	0.341	0.180

Constant Power Discharge Characteristics: Wpc (25°C)

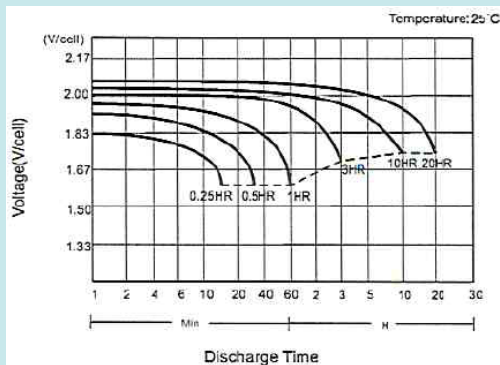
F.V/Time	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1Hr	1.5 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr
1.85V/cell	20.0	14.0	11.0	8.97	6.62	4.79	3.78	2.82	2.26	1.66	1.34	1.16	0.99	0.784	0.643	0.342
1.80V/cell	21.3	14.7	11.4	9.28	6.80	4.90	3.86	2.87	2.29	1.68	1.36	1.17	1.01	0.795	0.651	0.346
1.75V/cell	22.2	15.2	11.7	9.48	6.94	4.99	3.93	2.92	2.33	1.71	1.38	1.19	1.02	0.803	0.657	0.350
1.70V/cell	23.0	15.7	12.1	9.70	7.09	5.08	3.99	2.96	2.36	1.73	1.39	1.20	1.03	0.810	0.663	0.353
1.67V/cell	23.6	16.1	12.3	9.88	7.20	5.15	4.04	2.99	2.38	1.74	1.40	1.21	1.04	0.816	0.668	0.356
1.60V/cell	24.6	16.5	12.7	10.1	7.36	5.24	4.11	3.04	2.42	1.77	1.42	1.23	1.05	0.827	0.675	0.359



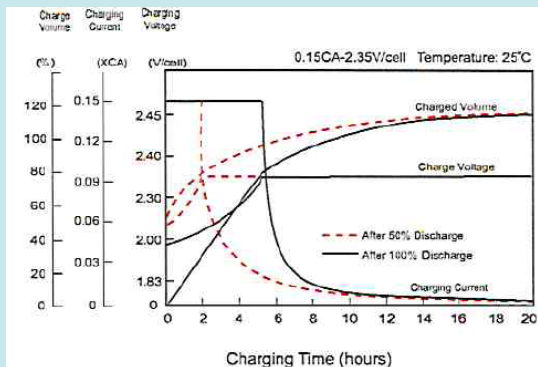
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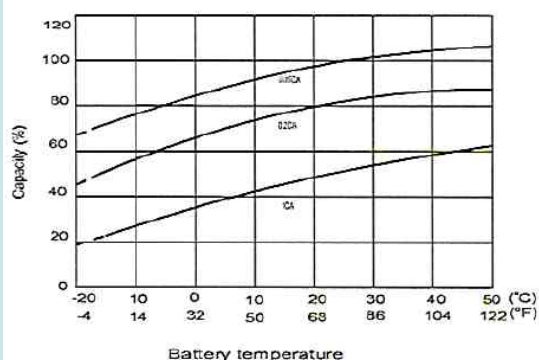
DISCHARGE CHARACTERISTICS



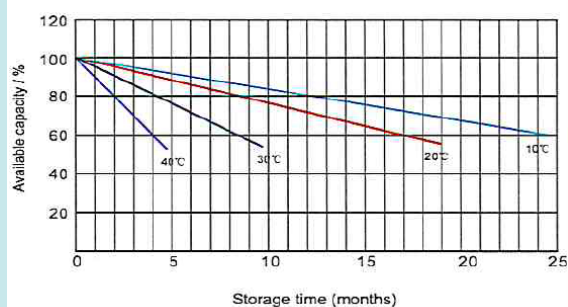
CHARGING CHARACTERISTICS



EFFECTS OF TEMPERATURE ON CAPACITY



SELF DISCHARGE CHARACTERISTICS



APPLICATIONS

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

GENERAL FEATURES

- 5 years design life(25°C)
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance
- PbCaSn alloy for plate grids: less gassing, less self-discharging
- High quality AGM separator: extend cycle life and prevent micro short circuit
- High purity raw material: ensure low self discharge rate

STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- UKCA Certified (for UK)
- IATF16949, ISO45001, ISO 9001 and ISO 14001 certified production facilities

(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information