



# LP12-0.8 (12V 0.8Ah)

Specifications	
Rated Voltage	12
Nominal Capacity	0.8Ah (C <sub>20</sub> , 1.75V/cell)
Dimensions	Length 96 mm
	Width 25 mm
	Container Height 62 mm
	Total Height 62 mm
Approx. Weight	0.36 Kg (0.79lbs)
Terminal	T20
Layout	-
Container material	ABS
Rated Capacity (25°C)	0.80 Ah (20hr, 0.040A, 1.75V/cell)
	0.76 Ah (10hr, 0.076A, 1.75V/cell)
	0.67 Ah (5hr, 0.134A, 1.75V/cell)
	0.588 Ah (3hr, 0.196A, 1.75V/cell)
	0.486 Ah (1hr, 0.486A, 1.60V/cell)
Max. Discharge Current	12A (5s)
Internal Resistance (25°C)	Approx 180mΩ
	Discharge: -15°C ~50°C (5~122°F)
Operating Temp. Range	Charge: 0°C ~40°C (32~104°F)
	Storage: -15°C ~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than 0.24A. Voltage 14.4V~15.0V at 25°C (77 °F)Temp. Coefficient -30mV/°C
	Standby Use
Effect Of Temp. To Capacity	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	LP series 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.



### Description and Features

The LP Series AGM batteries have been specially developed to be widely applicable. These lead acid batteries with AGM technology are completely sealed and therefore 100% maintenance free and leak-proof. These batteries have a low self-discharge. The reliable and safe multipurpose batteries from the LP Series offer a long service life and can be used in various industries.

- Features**
- Absorbent Glass Mat technology
  - Reliable and safe performance
  - Long service life - 3-5 years in standby application (at 25°C)
  - Suitable for multipurpose applications

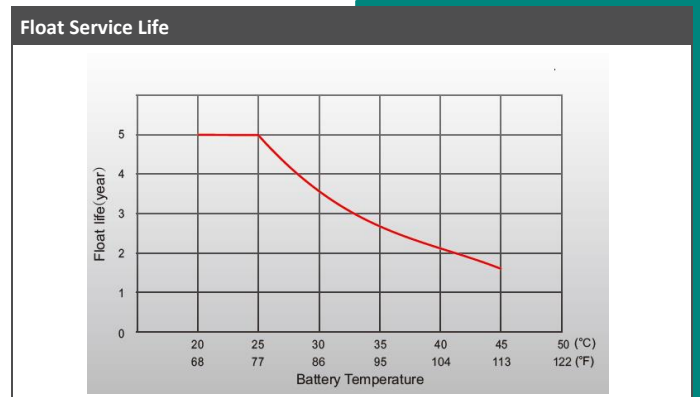
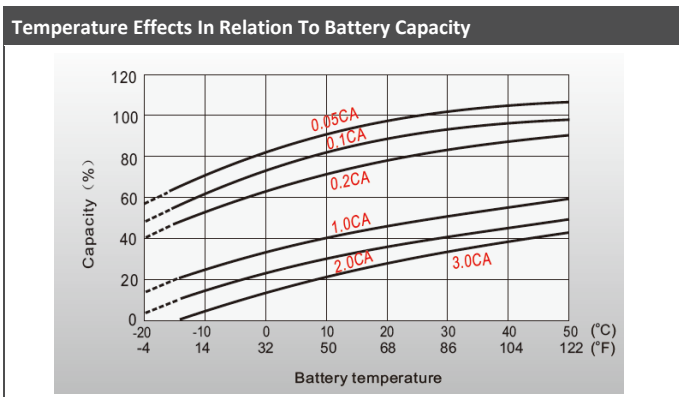
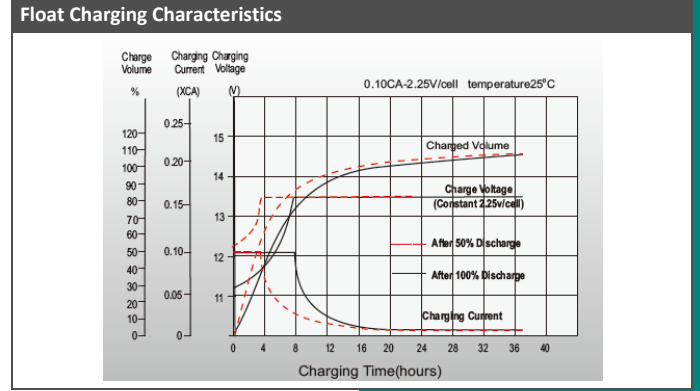
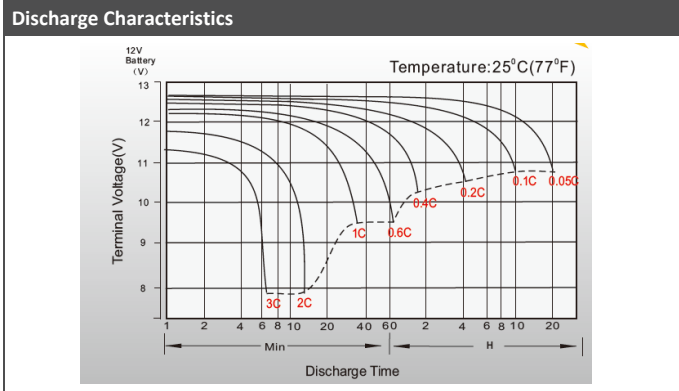
Layout	Terminal	UL certification

Constant Current Discharge Characteristics: A (25°C)															
F.V/Time	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr
1.85V/cell	1.54	1.07	0.883	0.766	0.614	0.473	0.386	0.236	0.180	0.148	0.125	0.109	0.086	0.072	0.040
1.80V/cell	1.89	1.28	1.02	0.866	0.680	0.515	0.416	0.251	0.189	0.155	0.131	0.113	0.090	0.074	0.040
1.75V/cell	2.24	1.44	1.13	0.943	0.726	0.547	0.438	0.262	0.196	0.160	0.134	0.116	0.092	0.076	0.040
1.70V/cell	2.54	1.59	1.22	1.01	0.763	0.569	0.456	0.272	0.202	0.164	0.138	0.119	0.093	0.077	0.041
1.67V/cell	2.80	1.71	1.29	1.06	0.795	0.591	0.475	0.280	0.270	0.168	0.141	0.121	0.095	0.078	0.042
1.60V/cell	2.94	1.79	1.35	1.10	0.818	0.604	0.486	0.289	0.212	0.172	0.144	0.124	0.097	0.080	0.042

Constant Power Discharge Characteristics: Wpc (25°C)															
F.V/Time	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr
1.85V/cell	2.90	2.04	1.70	1.48	1.20	0.927	0.761	0.467	0.357	0.295	0.251	0.218	0.174	0.145	0.080
1.80V/cell	3.52	2.41	1.95	1.67	1.32	1.00	0.815	0.494	0.374	0.308	0.260	0.226	0.179	0.149	0.080
1.75V/cell	4.12	2.70	2.13	1.80	1.40	1.06	0.853	0.512	0.384	0.316	0.266	0.230	0.183	0.151	0.081
1.70V/cell	4.62	2.94	2.29	1.92	1.46	1.09	0.884	0.530	0.395	0.322	0.271	0.235	0.184	0.153	0.082
1.67V/cell	5.03	3.13	2.39	1.99	1.51	1.13	0.915	0.543	0.403	0.327	0.275	0.238	0.187	0.154	0.082
1.60V/cell	5.19	3.21	2.46	2.03	1.53	1.14	0.928	0.556	0.410	0.333	0.279	0.241	0.189	0.156	0.082



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## 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.