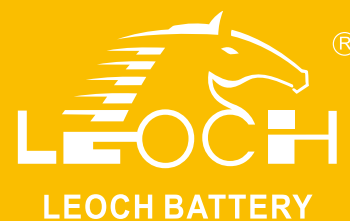




LP Series-General Purpose

LP12-1.3(12V1.3Ah)



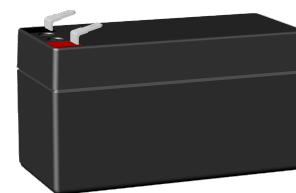
Specifications

Rated Voltage	12V	
Nominal Capacity	1.3Ah	(C ₂₀ , 1.75V/cell)
Dimension	Length	97±1mm (3.82 inches)
	Width	43±1mm (1.69 inches)
	Container Height	52±1mm (2.05 inches)
	Total Height	58±1mm (2.28 inches)
Approx Weight	0.52 Kg (1.15 lbs)	
Terminal	T1	
Container Material	ABS	
Rated Capacity (25°C)	1.30 Ah	(20hr, 0.065A, 1.75V/cell)
	1.23 Ah	(10hr, 0.123A, 1.75V/cell)
	1.10 Ah	(5hr, 0.22A, 1.75V/cell)
	0.99 Ah	(3hr, 0.33A, 1.75V/cell)
	0.78 Ah	(1hr, 0.78A, 1.60V/cell)
Max. Discharge Current	120A (5s)	
Internal Resistance (25°C)	Approx 120mΩ	
Operating Temp. Range	Discharge	-15 ~ 50°C (5 ~ 122°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 0.39A. Voltage	
	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 0.39A. Voltage	
	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
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.	

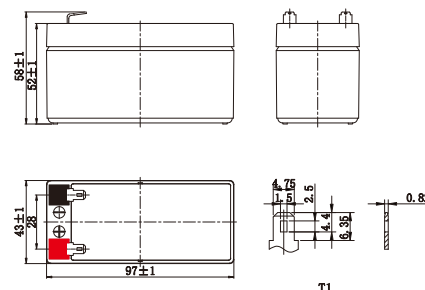
Your supplier



GACELL A/S · Sletten 17 · 7500 Holstebro · DK
+45 961 02 961 · www.gacell-power.dk



Layout



T1

Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3.6	2.43	1.89	1.54	1.14	0.85	0.710	0.540	0.430	0.320	0.260	0.220	0.190	0.150	0.120	0.064
1.80V/cell	3.8	2.58	1.98	1.60	1.18	0.87	0.720	0.550	0.440	0.330	0.260	0.220	0.190	0.150	0.122	0.064
1.75V/cell	4.0	2.68	2.05	1.64	1.21	0.89	0.740	0.560	0.450	0.330	0.260	0.220	0.190	0.150	0.123	0.065
1.70V/cell	4.2	2.79	2.12	1.69	1.24	0.91	0.750	0.570	0.460	0.340	0.270	0.230	0.190	0.150	0.124	0.066
1.67V/cell	4.4	2.87	2.17	1.73	1.26	0.93	0.760	0.570	0.460	0.340	0.270	0.230	0.200	0.150	0.125	0.066
1.60V/cell	4.6	2.99	2.25	1.78	1.29	0.95	0.780	0.590	0.470	0.350	0.270	0.230	0.200	0.160	0.127	0.067

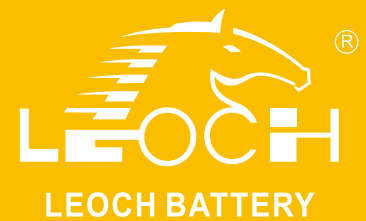
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	6.7	4.63	3.62	2.96	2.21	1.65	1.380	1.050	0.850	0.630	0.500	0.430	0.370	0.290	0.239	0.127
1.80V/cell	7.1	4.87	3.78	3.07	2.27	1.69	1.410	1.060	0.860	0.640	0.510	0.440	0.370	0.300	0.242	0.129
1.75V/cell	7.4	5.03	3.88	3.13	2.31	1.72	1.430	1.080	0.880	0.650	0.520	0.440	0.380	0.300	0.244	0.130
1.70V/cell	7.7	5.19	3.98	3.21	2.36	1.75	1.450	1.100	0.890	0.660	0.520	0.450	0.380	0.300	0.246	0.131
1.67V/cell	7.9	5.31	4.07	3.27	2.40	1.77	1.470	1.110	0.900	0.660	0.530	0.450	0.390	0.300	0.248	0.132
1.60V/cell	8.2	5.47	4.18	3.35	2.45	1.80	1.500	1.130	0.910	0.670	0.540	0.460	0.390	0.310	0.251	0.134



LP Series-General Purpose

LP12-1.3(12V1.3Ah)



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

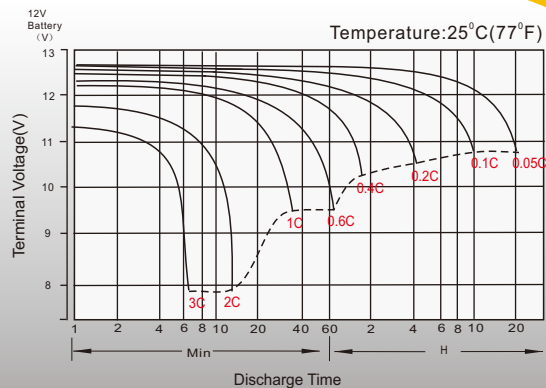
General Features

- 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

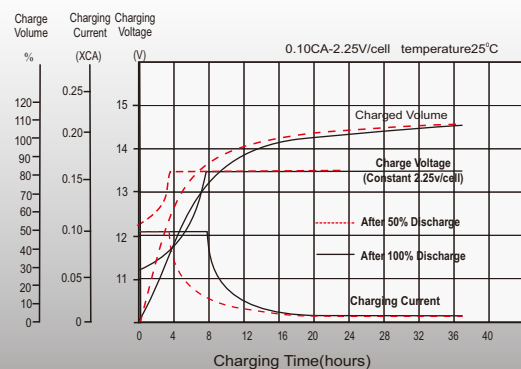
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch® IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

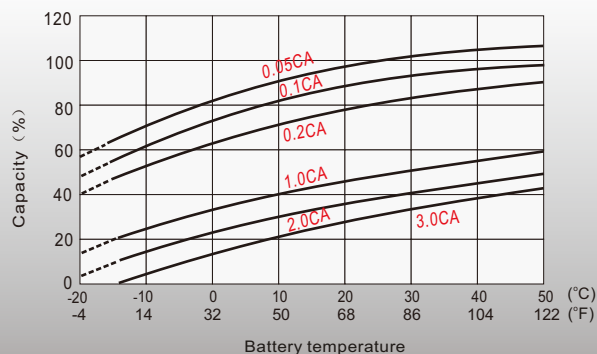
Discharge Characteristics



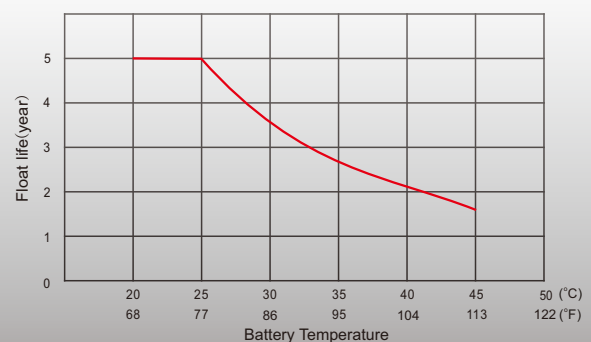
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Float Service Life



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