

LP12-20 (12V 20Ah)

Specifications									
Rated Voltage	12								
Nominal Capacity	20.0Ah (C ₂₀ ,1.75V/cell)								
Dimensions	Length 182 mm Width 77 mm								
Difficultions	Container Height 168 mm Total Height 168 mm								
Approx. Weight	5.78 Kg (12.74 lbs)								
Terminal	T3								
Layout	0								
Container material	ABS								
	20.0 Ah (20hr,1.00A,1.75V/cell)								
	18.9 Ah (10hr,1.89A,1.75V/cell)								
Rated Capacity (25°C)	17.2 Ah (5hr,3.44A,1.75V/cell)								
	15.3 Ah (3hr,5.10A,1.75V/cell)								
	13.1 Ah (1hr,13.1A,1.60V/cell)								
Max. Discharge Current	300A (5s)								
Internal Resistance (25°C)	Approx 14mΩ								
	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 Hee	Initial Charging Current less than 6.0A. Voltage								
Cycle Use	14.4V~15.0V at 25°C (77 °F)Temp. Coefficient -30mV/°C								
Standby Use	Initial Charging Current less than 6.0A. Voltage								
Stalluby Ose	13.5V~13.8V at 25°C (77 °F)Temp. Coefficient -20mV/°C								
	40°C (104°F) 103%								
Effect Of Temp. To Capacity	25°C (77°F) 100%								
	0°C (32°F) 86%								
	LP series batteries may be stored for up to 6 months at								
Self Discharge	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

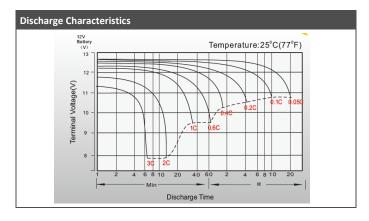
Layout	Terminal	UL certification
73 21 184. S 181. S.4.2	14 [0.551] 2 [0.079] 18 [0.551] 2 [0.079]	MH 48553

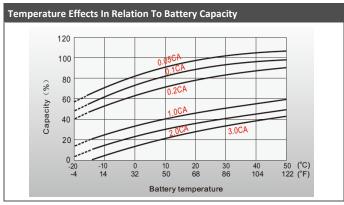
Constant Current Discharge Characteristics: A (25°C)																
F.V/Time	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1 Hr	1.5 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr
1.85V/cell	61.6	42.4	33.0	26.9	19.8	14.4	11.8	8.71	6.85	4.94	3.94	3.35	2.87	2.26	1.85	0.98
1.80V/cell	66.2	45.0	34.6	27.9	20.4	14.8	12.1	8.89	6.97	5.02	3.99	3.40	2.91	2.29	1.87	0.99
1.75V/cell	69.8	46.8	35.8	28.7	20.9	15.2	12.4	9.06	7.10	5.10	4.05	3.44	2.95	2.32	1.89	1.00
1.70V/cell	73.1	48.7	37.0	29.5	21.4	15.5	12.6	9.21	7.20	5.18	4.10	3.49	2.98	2.34	1.91	1.01
1.67V/cell	75.6	50.0	37.9	30.1	21.8	15.7	12.8	9.33	7.28	5.23	4.14	3.52	3.01	2.36	1.92	1.02
1.60V/cell	80.2	52.1	39.2	31.0	22.4	16.1	13.1	9.53	7.43	5.32	4.22	3.58	3.05	2.39	1.95	1.03

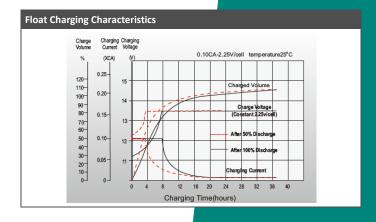
Constant Power Discharge Characteristics: Wpc (25°C)																
F.V/Time	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1 Hr	1.5 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr
1.85V/cell	116.5	80.7	63.2	51.7	38.2	28.0	23.0	17.0	13.4	9.71	7.76	6.62	5.68	4.48	3.67	1.96
1.80V/cell	124.1	85.0	65.9	53.5	39.2	28.7	23.5	17.3	13.6	9.85	7.85	6.70	5.76	4.54	3.72	1.98
1.75V/cell	129.3	87.8	67.7	54.7	40.1	29.2	23.9	17.6	13.8	10.0	7.95	6.78	5.82	4.59	3.75	2.00
1.70V/cell	134.1	90.7	69.5	56.0	40.9	29.7	24.3	17.8	14.0	10.1	8.05	6.86	5.88	4.63	3.79	2.02
1.67V/cell	137.6	92.7	71.0	57.0	41.5	30.1	24.6	18.0	14.1	10.2	8.11	6.91	5.93	4.66	3.81	2.03
1.60V/cell	143.1	95.4	73.0	58.4	42.4	30.7	25.0	183	14.4	10.4	8.23	7.00	6.00	4.73	3.86	2.05

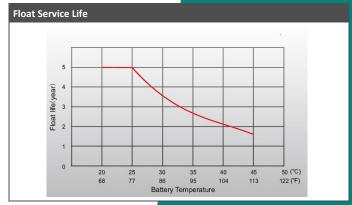


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Applications

- 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.