

## LP12-60 (12V 55Ah)

Specifications							
Cells Per Unit	6						
Voltage Per Unit	12						
Nominal Capacity	55Ah@10hour-rate to 1.80V per cell @25°C						
Weight	Approx. 16.5 Kg (Tolerance±3.0%)						
Dimensions	Length 229 mm Width 138 mm Container Height 211 mm Total Height 216 mm						
Internal Resistance	Approx. 6.0 mΩ						
Terminal	T6						
Layout	1						
Max. Discharge Current	550A (5 sec)						
Short Circuit Current	1160A						
Max. Charging Current	16.5 A						
Reference Capacity	C3 42.6AH C5 48.0AH C10 55.0AH C20 58.2AH						
Standby Use Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C /Cell						
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C /Cell						
Operating Temp. Range	Discharge: -20°C ~60°C Charge: 0°C ~50°C Storage: -20°C ~60°C						
Nominal Operating Temp. Range	25°C ±5°C						
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C.Please charge batteries before using.						
Container Material	A.B.S. UL94-HB, UL94-VO Optional.						



## **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
138	229 	0 16 (0.63) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MH 64495

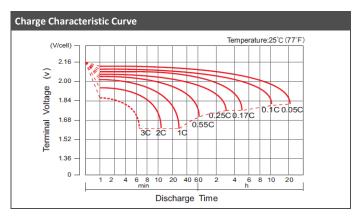
Constant Current Discharge Characteristics: A (25°C)											
5Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
176.2	134.2	102.0	60.2	33.6	20.0	15.5	12.2	10.4	6.97	5.80	3.04
169.8	126.8	97.5	57.8	32.5	19.4	15.0	11.9	10.1	6.90	5.73	2.99
161.5	116.8	91.3	55.3	31.4	18.7	14.6	11.5	9.84	6.79	5.65	2.95
150.9	106.9	85.0	52.8	30.2	18.1	14.2	11.2	9.60	6.69	5.57	2.91
137.5	96.8	78.5	50.5	29.1	17.4	13.8	10.9	9.35	6.58	5.50	2.89
121.0	79.1	65.1	43.5	26.1	16.0	12.7	10.2	8.72	6.18	5.18	2.74
	5Min 176.2 169.8 161.5 150.9 137.5	5Min         10 Min           176.2         134.2           169.8         126.8           161.5         116.8           150.9         106.9           137.5         96.8	5Min         10 Min         15 Min           176.2         134.2         102.0           169.8         126.8         97.5           161.5         116.8         91.3           150.9         106.9         85.0           137.5         96.8         78.5	5Min         10 Min         15 Min         30 Min           176.2         134.2         102.0         60.2           169.8         126.8         97.5         57.8           161.5         116.8         91.3         55.3           150.9         106.9         85.0         52.8           137.5         96.8         78.5         50.5	5Min         10 Min         15 Min         30 Min         1 Hr           176.2         134.2         102.0         60.2         33.6           169.8         126.8         97.5         57.8         32.5           161.5         116.8         91.3         55.3         31.4           150.9         106.9         85.0         52.8         30.2           137.5         96.8         78.5         50.5         29.1	5Min         10 Min         15 Min         30 Min         1 Hr         2 Hr           176.2         134.2         102.0         60.2         33.6         20.0           169.8         126.8         97.5         57.8         32.5         19.4           161.5         116.8         91.3         55.3         31.4         18.7           150.9         106.9         85.0         52.8         30.2         18.1           137.5         96.8         78.5         50.5         29.1         17.4	5Min         10 Min         15 Min         30 Min         1 Hr         2 Hr         3 Hr           176.2         134.2         102.0         60.2         33.6         20.0         15.5           169.8         126.8         97.5         57.8         32.5         19.4         15.0           161.5         116.8         91.3         55.3         31.4         18.7         14.6           150.9         106.9         85.0         52.8         30.2         18.1         14.2           137.5         96.8         78.5         50.5         29.1         17.4         13.8	5Min         10 Min         15 Min         30 Min         1 Hr         2 Hr         3 Hr         4 Hr           176.2         134.2         102.0         60.2         33.6         20.0         15.5         12.2           169.8         126.8         97.5         57.8         32.5         19.4         15.0         11.9           161.5         116.8         91.3         55.3         31.4         18.7         14.6         11.5           150.9         106.9         85.0         52.8         30.2         18.1         14.2         11.2           137.5         96.8         78.5         50.5         29.1         17.4         13.8         10.9	5Min         10 Min         15 Min         30 Min         1 Hr         2 Hr         3 Hr         4 Hr         5 Hr           176.2         134.2         102.0         60.2         33.6         20.0         15.5         12.2         10.4           169.8         126.8         97.5         57.8         32.5         19.4         15.0         11.9         10.1           161.5         116.8         91.3         55.3         31.4         18.7         14.6         11.5         9.84           150.9         106.9         85.0         52.8         30.2         18.1         14.2         11.2         9.60           137.5         96.8         78.5         50.5         29.1         17.4         13.8         10.9         9.35	5Min         10 Min         15 Min         30 Min         1 Hr         2 Hr         3 Hr         4 Hr         5 Hr         8 Hr           176.2         134.2         102.0         60.2         33.6         20.0         15.5         12.2         10.4         6.97           169.8         126.8         97.5         57.8         32.5         19.4         15.0         11.9         10.1         6.90           161.5         116.8         91.3         55.3         31.4         18.7         14.6         11.5         9.84         6.79           150.9         106.9         85.0         52.8         30.2         18.1         14.2         11.2         9.60         6.69           137.5         96.8         78.5         50.5         29.1         17.4         13.8         10.9         9.35         6.58	5Min         10 Min         15 Min         30 Min         1 Hr         2 Hr         3 Hr         4 Hr         5 Hr         8 Hr         10 Hr           176.2         134.2         102.0         60.2         33.6         20.0         15.5         12.2         10.4         6.97         5.80           169.8         126.8         97.5         57.8         32.5         19.4         15.0         11.9         10.1         6.90         5.73           161.5         116.8         91.3         55.3         31.4         18.7         14.6         11.5         9.84         6.79         5.65           150.9         106.9         85.0         52.8         30.2         18.1         14.2         11.2         9.60         6.69         5.57           137.5         96.8         78.5         50.5         29.1         17.4         13.8         10.9         9.35         6.58         5.50

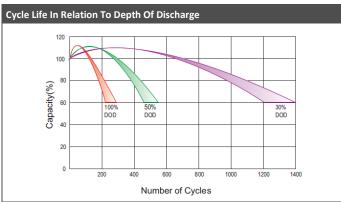
Constant Power Discharge Characteristics: Wpc (25°C)												
F.V/Time	5Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.60V	303.3	228.2	178.3	109.4	63.1	37.9	29.6	23.4	20.0	13.6	11.4	5.98
1.65V	300.1	219.8	173.0	106.1	61.3	36.9	28.8	22.9	19.6	13.5	11.3	5.89
1.70V	288.6	206.0	164.4	102.5	59.7	35.9	28.2	22.3	19.1	13.3	11.1	5.83
1.75V	274.5	192.0	155.2	98.9	57.9	34.8	27.5	21.8	18.7	13.2	11.0	5.76
1.80V	254.4	176.8	145.4	95.5	56.0	33.7	26.7	21.3	18.3	13.0	10.9	5.71
1.85V	277.9	147.1	122.3	83.1	50.5	31.1	24.8	19.9	17.1	12.2	10.2	5.43

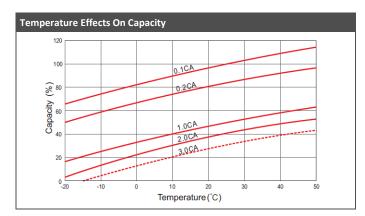
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C10 should reach 95% after the first cycle and 100% after the third cycle.

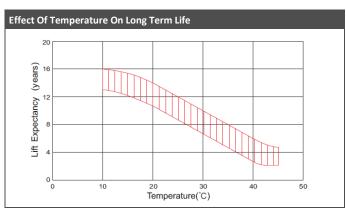


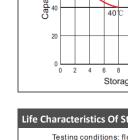
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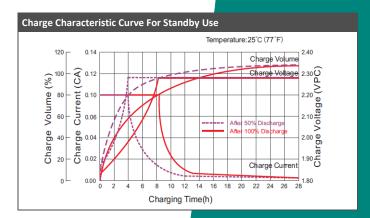


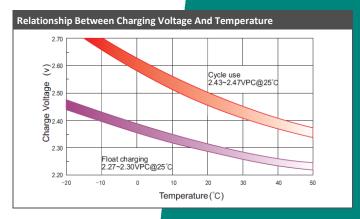


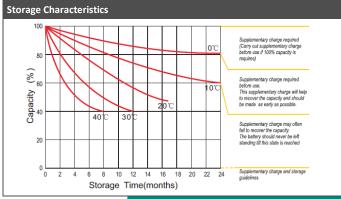


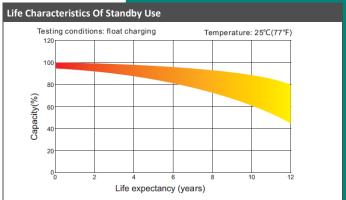












(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.