ALLSAI®
Innovating Power





QUALITY INNOVATION

LP SERIES-GENERAL

LP-12-55 (12V55Ah)

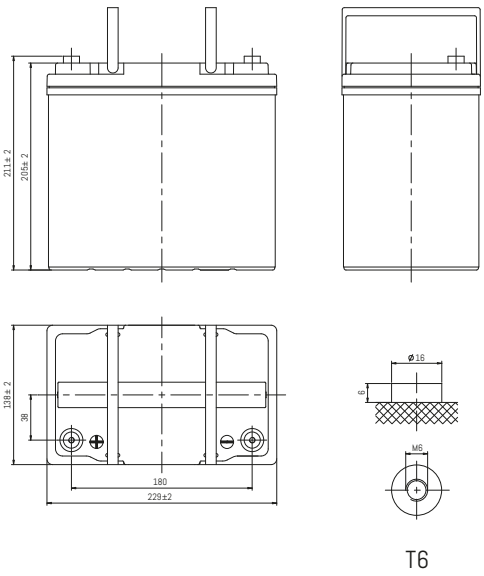
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LP SERIES-GENERAL / LP-12-55 (12V55AH)

CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Capacity (25 ºC)	C $_{20}$,1. 75V/cell	55Ah
Dimension	Length	229mm (9.02inches)
	Width	138mm (5.43inches)
	Container Height	205mm (8.07inches)
	Total Height	211mm (8.31inches)
Approx Weight		16.2kg 35.7lbs)
Terminal		T6(M6)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		1265A
Internal Resistance (25 ºC)	Approx 9	mΩ (Fully charged)
Operating Temp. Range	Discharge	-15~50 ºC (5~122°F)
	Charge	-20~40 ºC (-4~104°F)
	Storage	-15~40 ºC (5~104 °F)
Nominal Operating Temp. Range		25±3 ºC (77±5°F)
Max.Charging Current (25 ºC)		0.3C
Charge voltage (25 ºC)	Standby Use	Cycle Use
	2.25-2.30V/cell	2.35-2.45V/cell
Temp . Coefficient	-3mV/cell/ ºC	-5mV/cell/ ºC
E ffect of temp. to Capacity	40 ºC (104 °F)	103%
	25 ºC (77°F)	100%
	0 ºC (32 °F)	86%
Self Discharge	≤3% per month at 25°C (77°F). L P series batteries may be stored 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 .	





T6

DISCHARGE TABLE

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	112.1	79.7	70.5	55.5	49.6	36.3	30.7	22.3	18.7	13.7	10.8	9.35	8.24	6.34	5.25	2.79
1.80V/cell	127.5	90.5	79.9	62.7	54.0	38.4	31.8	23.0	19.3	14.9	11.5	9.83	8.86	6.67	5.50	2.89
1.75V/cell	138.5	98.2	86.5	67.7	55.1	39.8	33.4	24.2	20.4	15.2	11.7	10.0	8.93	6.70	5.56	2.92
1.70V/cell	148.1	104.7	91.9	71.8	56.2	40.6	34.1	24.7	20.8	15.5	11.9	10.2	8.97	6.81	5.61	2.95
1.67V/cell	153.3	108.0	94.6	73.8	57.0	41.2	34.6	25.1	21.1	15.6	12.1	10.4	9.01	6.90	5.68	2.98
1.60V/cell	158.7	111.7	97.5	75.7	57.9	41.8	35.1	25.4	21.4	15.8	12.2	10.5	9.08	6.99	5.75	3.02

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	203.0	145.4	133.6	105.5	94.8	69.7	59.4	43.2	36.4	26.8	21.1	18.4	16.3	12.6	10.4	5.55
1.80V/cell	227.1	162.7	149.4	118.0	102.4	73.4	61.2	44.4	37.4	29.0	22.5	19.3	17.4	13.2	10.9	5.74
1.75V/cell	242.4	173.6	159.5	126.0	103.7	75.6	64.0	46.5	39.2	29.5	22.8	19.6	17.5	13.2	11.0	5.79
1.70V/cell	254.8	182.5	167.6	132.4	104.9	76.6	64.9	47.2	39.9	29.9	23.1	19.8	17.6	13.4	11.1	5.84
1.67V/cell	259.0	185.5	170.4	134.6	105.6	77.3	65.5	47.7	40.3	30.1	23.4	20.2	17.6	13.6	11.2	5.91
1.60V/cell	262.6	188.1	172.8	136.5	106.1	77.7	66.0	48.0	40.6	30.2	23.6	20.4	17.7	13.7	11.4	5.97

LP SERIES-GENERAL / LP-12-55 (12V55AH)

APPLICATIONS

- 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

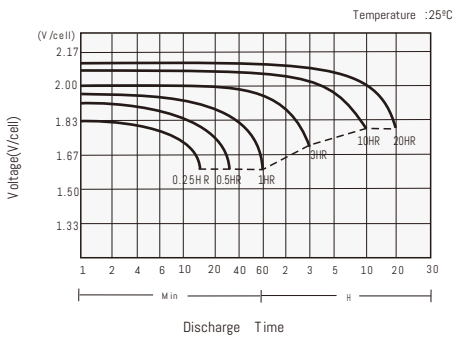
GENERAL FEATURES

- 5 years design life (25ºC)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

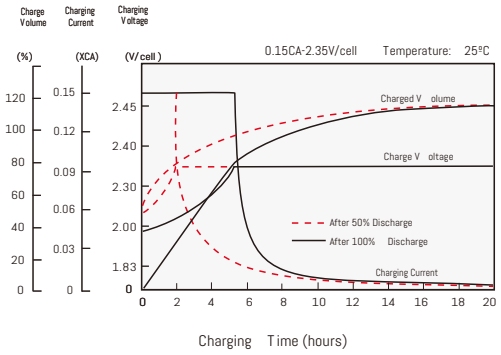
STANDARDS

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

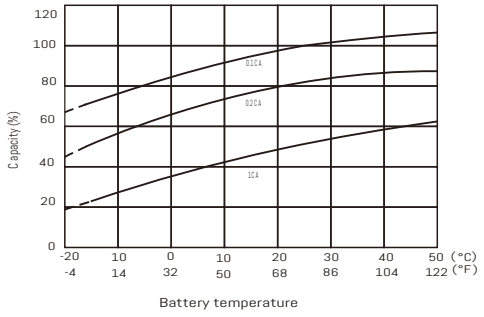
Discharge Characteristics



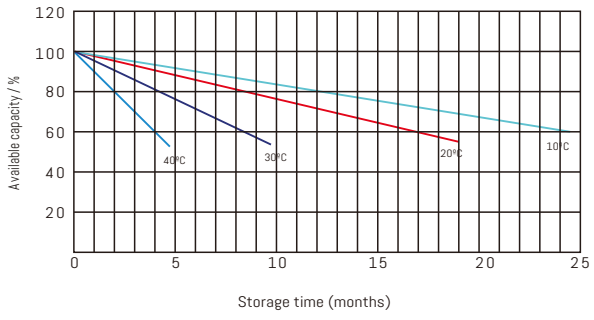
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics





LP SERIES-GENERAL

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ACERCA DE ALLSAI

ALLSAI es una compania con mas de 15 años de experiencia en el mercado latinoamericano destacandose por innovar continuamente en las diferentes soluciones de respaldo de energia.
Actualmente contamos con un amplio portafolio de soluciones que agrega valor al negocio de nuestros clientes, logrando posicionar nuestra marca en toda la región con un sello de calidad y respaldo que hace la diferencia.

