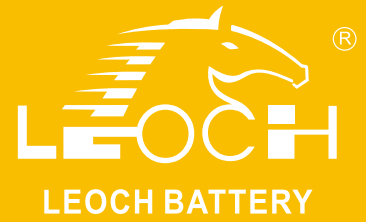


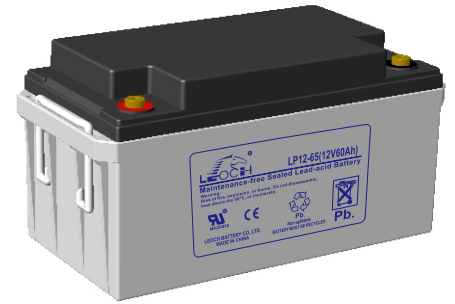


LP Series-General Purpose LP12-65(12V60Ah)

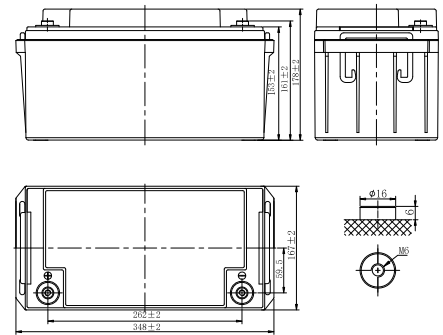


Specifications

Rated Voltage	12V	
Nominal Capacity	60Ah	(C ₂₀ , 1.75V/cell)
Dimension	Length	348±2mm (13.7 inches)
	Width	167±2mm (6.57 inches)
	Container Height	178±2mm (7.01 inches)
	Total Height	178±2mm (7.01 inches)
Approx Weight	18.4 Kg (40.6 lbs)	
Terminal	M6	
Container Material	ABS	
Rated Capacity (25°C)	60.0 Ah	C20(3.00A, 1.75V/cell)
	55.2 Ah	C10(5.52A, 1.75V/cell)
	48.9 Ah	C5(9.78A, 1.75V/cell)
	44.1 Ah	C3(14.7A, 1.75V/cell)
	36.8 Ah	C1(36.8A, 1.60V/cell)
Max. Discharge Current	550A (5s)	
Internal Resistance (25°C)	Approx 10mΩ	
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 16.5A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
	Initial Charging Current less than 16.5A. 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.	



Layout



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

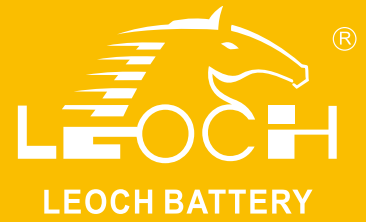
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	108.2	80.9	67.2	56.8	44.0	33.5	28.9	21.9	17.6	13.2	10.6	8.88	7.73	6.11	5.09	2.81
1.80V/cell	126.2	95.4	78.2	65.5	49.7	37.5	32.0	23.9	19.1	14.3	11.4	9.56	8.29	6.54	5.44	2.96
1.75V/cell	137.7	102.3	82.7	68.7	52.0	39.0	33.2	24.7	19.7	14.7	11.7	9.78	8.46	6.66	5.52	3.00
1.70V/cell	149.1	109.1	87.4	72.3	54.3	40.5	34.4	25.6	20.3	15.1	12.0	10.0	8.64	6.78	5.61	3.04
1.67V/cell	155.7	113.1	90.1	74.4	55.7	41.4	35.1	26.0	20.7	15.4	12.2	10.1	8.75	6.85	5.66	3.06
1.60V/cell	171.6	122.4	96.6	79.2	58.8	43.5	36.8	27.2	21.5	15.9	12.6	10.4	8.99	7.01	5.78	3.12

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	205.6	154.9	129.1	109.5	85.0	64.9	56.2	42.6	34.4	25.9	20.8	17.5	15.2	12.1	10.1	5.58
1.80V/cell	236.1	180.5	148.6	125.0	95.3	72.1	61.7	46.4	37.2	28.0	22.4	18.8	16.3	12.9	10.7	5.88
1.75V/cell	253.7	191.2	155.5	129.9	98.8	74.4	63.6	47.6	38.1	28.6	22.8	19.1	16.6	13.1	10.9	5.96
1.70V/cell	270.3	201.2	162.5	135.3	102.2	76.7	65.5	49.0	39.1	29.3	23.3	19.5	16.9	13.3	11.0	6.03
1.67V/cell	279.5	206.9	168.1	138.3	104.2	78.0	66.5	49.7	39.6	29.6	23.6	19.7	17.1	13.4	11.1	6.07
1.60V/cell	300.3	219.4	175.4	144.9	108.7	81.2	69.1	51.4	41.0	30.6	24.2	20.2	17.5	13.7	11.3	6.17



LP Series-General Purpose LP12-65(12V60Ah)



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

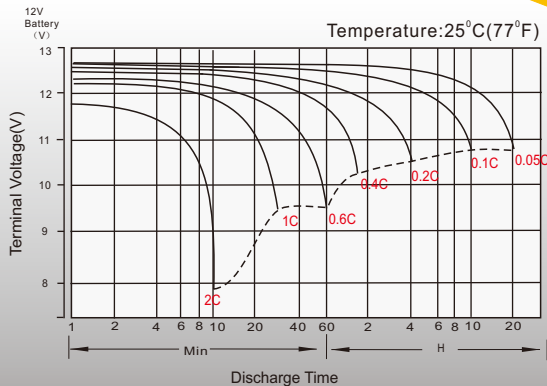
General Features

- 8 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

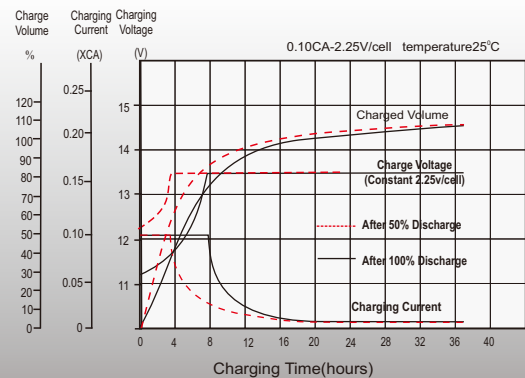
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch®IATF16949, ISO45001,ISO 9001 and ISO 14001 certified production facilities

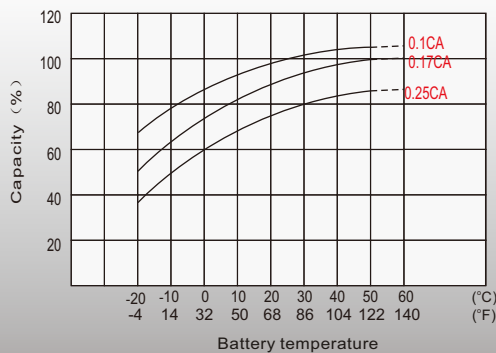
Discharge Characteristics



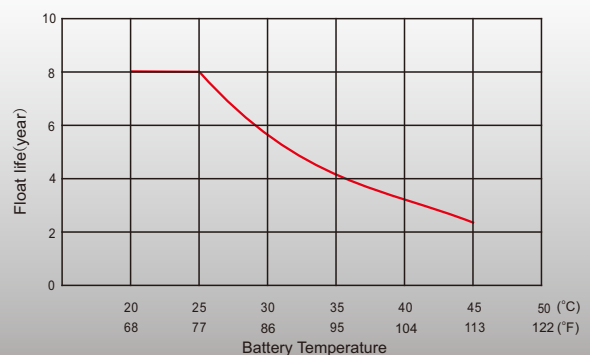
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Float Service Life



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