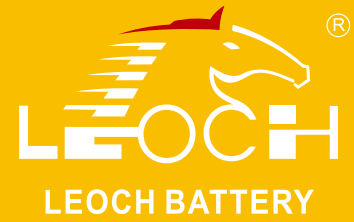




LP Series-General Purpose LP 2-2500(2V2500Ah)

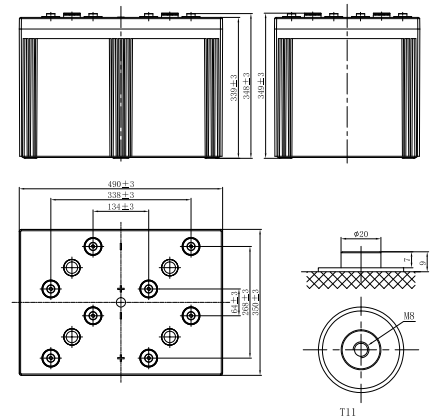


Specifications

Rated Voltage	2V	
Nominal Capacity	2500.0Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	490±3mm (19.29 inches)
	Width	350±3mm (13.78 inches)
	Container Height	339±3mm (13.35 inches)
	Total Height	349±3mm (13.74 inches)
Approx Weight	133.0 Kg (293.2 lbs)	
Terminal	T11(M8)	
Container Material	ABS	
Rated Capacity (25°C)	2650.0 Ah	(20hr, 132.5A, 1.80V/cell)
	2500.0 Ah	(10hr, 250.0A, 1.80V/cell)
	2187.5 Ah	(5hr, 437.5A, 1.75V/cell)
	1950.0 Ah	(3hr, 650.0A, 1.75V/cell)
	1573.0 Ah	(1hr, 1573.0A, 1.60V/cell)
Max. Discharge Current	20000A (5s)	
Internal Resistance (25°C)	Approx 0.20mΩ	
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 750.0A. Voltage 2.35V~2.40V at 25°C(77°F)Temp. Coefficient -5mV/°C	
	Initial Charging Current less than 750.0A. Voltage 2.25V~2.30V at 25°C(77°F)Temp. Coefficient -3mV/°C	
Standby Use	Initial Charging Current less than 750.0A. Voltage 2.25V~2.30V at 25°C(77°F)Temp. Coefficient -3mV/°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	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1784.7	1411.0	1235.0	949.5	769.2	585.2	470.6	397.2	344.8	280.2	234.3	125.6
1.80V/cell	2017.7	1577.8	1366.8	1038.8	836.9	633.1	507.3	427.8	369.8	300.0	250.0	132.5
1.75V/cell	2108.8	1641.9	1417.3	1073.8	862.5	650.0	520.0	437.5	377.5	305.5	253.9	134.2
1.70V/cell	2201.8	1704.2	1469.3	1110.0	890.0	669.0	533.1	447.5	385.7	310.9	257.9	135.9
1.67V/cell	2257.4	1742.5	1500.0	1130.1	904.9	679.1	540.5	453.0	390.3	314.1	260.1	136.9
1.60V/cell	2385.0	1832.5	1573.0	1180.5	942.6	704.1	558.5	466.9	401.2	321.6	265.6	139.3

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

F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3449.3	2736.0	2400.5	1851.2	1503.2	1147.3	924.9	781.9	679.8	553.7	463.6	249.7
1.80V/cell	3867.0	3036.9	2638.7	2013.9	1627.3	1236.3	993.5	839.6	727.3	591.6	494.0	263.2
1.75V/cell	4007.4	3136.1	2716.9	2068.9	1667.9	1263.8	1014.5	856.0	740.4	601.1	500.8	266.4
1.70V/cell	4146.0	3229.5	2797.3	2126.1	1712.3	1294.7	1036.4	873.0	754.5	610.5	507.9	269.5
1.67V/cell	4228.1	3285.5	2842.1	2156.3	1734.8	1310.6	1048.2	881.9	762.1	616.1	511.8	271.4
1.60V/cell	4409.6	3418.7	2952.3	2233.9	1793.9	1350.9	1077.6	905.0	780.3	628.7	521.3	275.9



LP Series-General Purpose LP 2-2500(2V2500Ah)



Applications

- Tele-communication central station (wired or cellular)
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.
- Uninterruptable Power System (UPS- for Telecom)

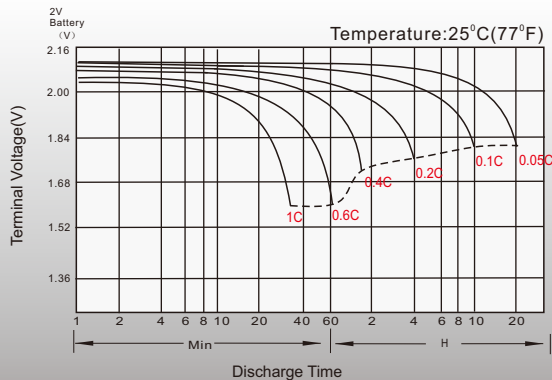
General Features

- 15 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

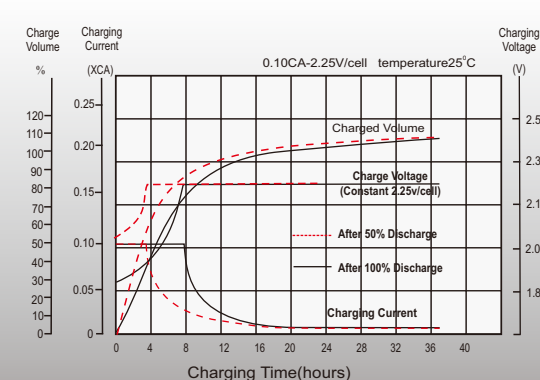
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- Manufactured in Leoch®IATF 16949, ISO45001,ISO 9001 and ISO 14001 certified production facilities

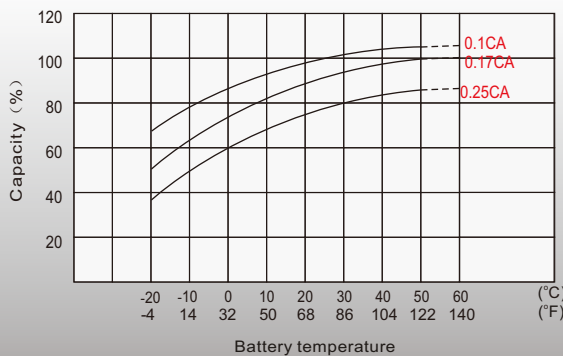
Discharge Characteristics



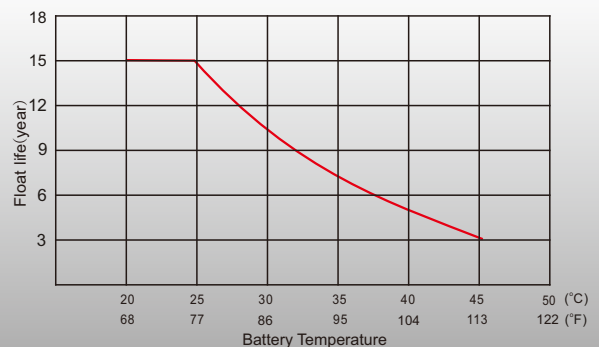
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



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