



LPL Series-Long Life Standby LPL12-225(12V225Ah)

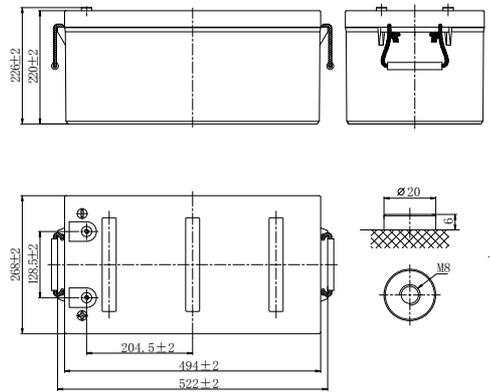


Specifications

Rated Voltage	12V	
Nominal Capacity	C ₁₀ , 1.80V/cell	225Ah
Dimension	Length	522±2mm (20.6 inches)
	Width	268±2mm (10.6 inches)
	Container Height	220±2mm (8.66 inches)
	Total Height	226±2mm (8.90 inches)
Approx Weight	70.5kg (155.4 lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity(25°C)	236.0 Ah	C20(11.8A, 1.80V/cell)
	225.0 Ah	C10(22.5A, 1.80V/cell)
	195.0 Ah	C5(39.0A, 1.75V/cell)
	177.3 Ah	C3(59.1A, 1.75V/cell)
	133.7 Ah	C1(133.7A, 1.60V/cell)
Max. Discharge Current	2250A (5s)	
Internal Resistance(25°C)	Approx 3.0mΩ	
Operating Temp. Range	Discharge	-15 ~ 50°C (5 ~ 122°F)
	Charge	-20 ~ 40°C (-4 ~ 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 67.5 A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 67.5 A. 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	LPL 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	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	444.7	316.2	274.2	181.4	135.5	117.2	86.6	72.8	53.4	41.9	36.4	32.1	24.7	21.5	11.4
1.80V/cell	505.8	358.9	310.7	197.5	143.6	121.4	89.6	75.2	58.0	44.7	38.3	34.5	25.9	22.5	11.8
1.75V/cell	549.4	389.3	336.4	201.6	148.7	127.3	94.2	79.2	59.1	45.6	38.9	34.7	26.1	22.7	11.9
1.70V/cell	587.3	415.0	357.2	205.6	151.7	129.9	96.1	80.8	60.3	46.4	39.6	34.9	26.5	23.0	12.0
1.65V/cell	607.8	428.2	367.7	208.6	153.9	131.8	97.5	82.0	60.8	47.1	40.4	35.1	26.9	23.2	12.2
1.60V/cell	629.3	442.8	379.1	211.6	156.2	133.7	98.9	83.1	61.4	47.7	41.0	35.3	27.2	23.5	12.3

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

F.V/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	830.6	594.9	519.1	346.7	260.5	226.6	168.1	141.7	104.4	82.2	71.7	63.4	48.9	42.7	22.7
1.80V/cell	929.1	665.5	580.7	374.5	274.2	233.4	172.9	145.6	112.8	87.5	75.0	67.8	51.3	44.7	23.5
1.75V/cell	991.6	710.2	619.8	379.2	282.4	243.9	181.0	152.7	114.7	88.8	76.1	68.1	51.5	45.1	23.7
1.70V/cell	1042.5	746.7	651.5	383.5	286.1	247.4	183.7	155.1	116.5	90.0	77.2	68.4	52.2	45.5	23.9
1.65V/cell	1059.4	758.8	662.1	386.3	288.7	249.6	185.5	156.7	117.1	91.1	78.5	68.5	52.8	46.0	24.2
1.60V/cell	1074.3	769.4	671.4	387.9	290.1	251.5	186.9	158.0	117.5	91.7	79.2	68.7	53.4	46.5	24.4



LPL Series-Long Life Standby LPL12-225(12V225Ah)



Applications

- UPS and EPS
- Emergency light
- Railway signal and aircraft signal system
- Marine and power stations
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply, DC power supply

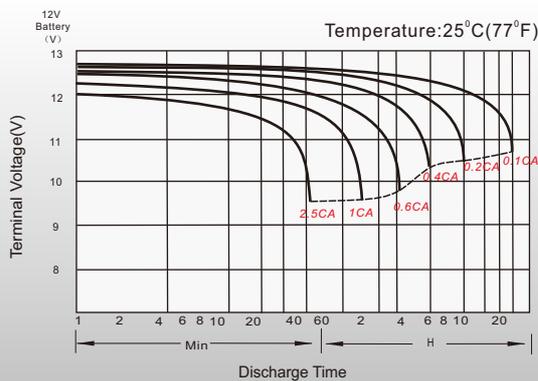
General Features

- 12 years design life (25°C)
- Grid refining technology and the thicker plates are used to extend the battery standby life and reduce the plate grid corrosion speed
- Using oxygen recombination technology: maintenance-free
- Unique vent valve design: control water losing, prevent air and spark going inside

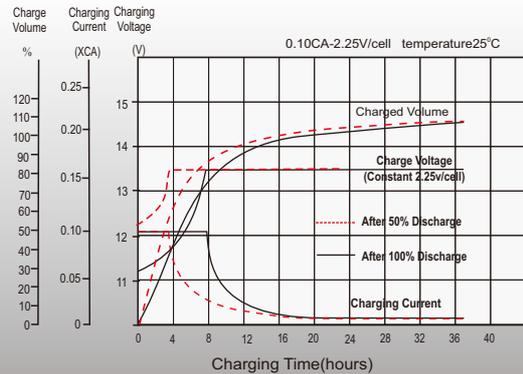
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch@IATF16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

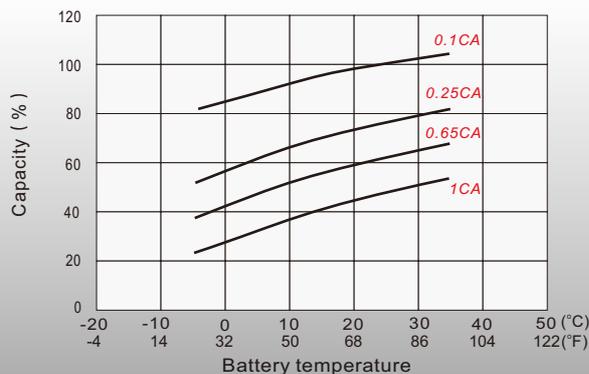
Discharge Characteristics



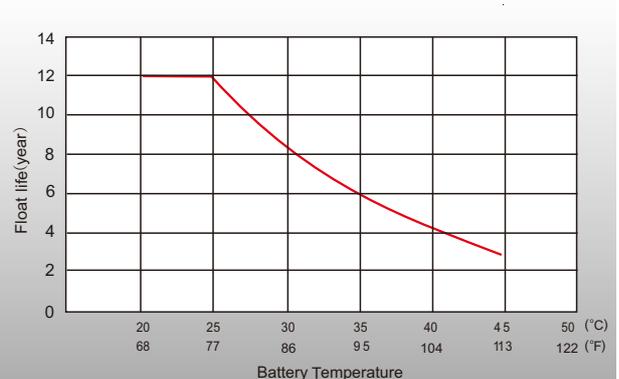
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



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