

PLH+C 210FT(12V210Ah)

PLH+C SERIES-LONG PSoC LIFE

Applications

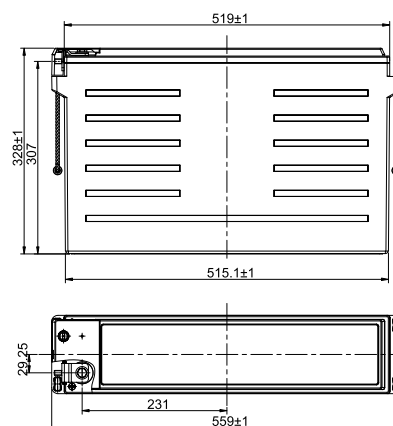
- UPS system
- Backup Power
- Demand charge reduction
- Time-of-Use bill management
- Increased PV self consumption
- Grid-Tied Energy Storage System
- Grid-Zero Energy Storage System

Key Features

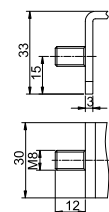
- High energy density
- High-rate performance
- Low internal resistance
- Low self-discharging rate
- Supper high PSoC cycle life
- Excellent Fast charging acceptance:
1.5 hour to 90% SoC
- Excellent high rate discharge performance
in low temperature
- Advanced lead acid batteries: Pure Lead
Thin Plate Carbon Technology



Layout



Terminal



LEOCH INTERNATIONAL TECHNOLOGY LIMITED.

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Pure Lead Carbon Technology - PSoC Cycle



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Specification

Nominal Voltage	12V
Rated Capacity (Ah)	10hr 210Ah @25 °C to 1.80V/cell
	8hr 210Ah @25 °C to 1.75V/cell
Dimension	Length 559±3mm (22.00 inches)
	Width 125±2mm (4.92 inches)
	Container Height 328±3mm (12.91 inches)
	Total Height (with Terminal) 328±3mm (12.91 inches)
Weight	Approx 61.6Kg (135.8 lbs)
Terminal	T11
Container Material	PC-ABS flame retardant jar and cover to UL94V-0
Max. Discharge Current	2520A (5s)
Internal Resistance	Approx 2.6mΩ
Operating Temp.Range	Discharge : -40~65°C (-40~149°F)
	Charge : 0~40°C (32~104°F)
	Storage : -20~40°C (-4~104°F)
Capacity affected by Temperature	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	PLH+C series batteries can be stored up to 24 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.



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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	377.2	317.1	274.7	217.0	166.8	136.1	80.9	58.1	45.4	37.5	25.0	20.4	11.2
1.80V/cell	416.9	345.9	294.8	230.6	176.0	143.1	84.0	60.1	47.0	38.7	25.8	21.0	11.4
1.75V/cell	450.8	369.3	311.8	240.8	182.0	147.6	85.8	61.2	47.9	39.3	26.3	21.3	11.6
1.70V/cell	477.5	389.3	326.2	249.5	187.2	151.0	87.1	62.0	48.3	39.8	26.5	21.6	11.7
1.67V/cell	490.2	399.2	333.2	253.8	189.6	152.5	87.8	62.3	48.6	40.0	26.7	21.8	11.8
1.60V/cell	508.2	415.4	344.6	259.8	192.5	154.7	88.4	62.7	48.9	40.2	26.8	21.8	11.8

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	755.8	640.8	557.5	445.0	344.5	282.6	167.1	119.7	93.6	77.0	50.6	41.3	21.9
1.80V/cell	818.9	683.7	589.2	465.2	357.0	291.5	171.0	122.1	95.4	78.5	51.5	42.1	22.3
1.75V/cell	875.4	721.3	616.6	482.3	367.5	298.8	174.1	124.1	96.8	79.7	52.3	42.8	22.7
1.70V/cell	923.2	752.5	639.1	496.0	375.7	304.4	176.4	125.6	97.9	80.5	52.8	43.2	23.0
1.67V/cell	947.0	767.6	649.9	502.6	379.4	306.9	177.4	126.1	98.4	80.8	53.2	43.4	23.1
1.60V/cell	986.0	791.8	666.7	512.1	384.7	310.2	178.5	126.8	98.8	81.2	53.4	43.7	23.3

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