

## PLH+C 62FT(12V62Ah)

### PLH+C SERIES-LONG PSoC LIFE

#### Applications

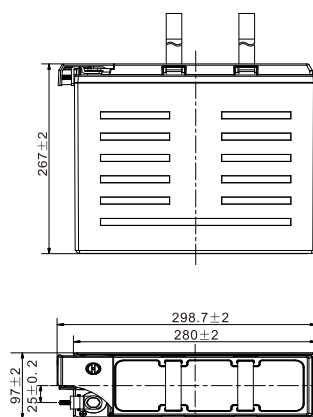
- UPS system
- Backup Power
- Demand charge reduction
- Time-of-Use bill management
- Increased PV self consumption
- Grid-Tied Energy Storage System
- Grid-Zero Energy Storage System

#### Key Features

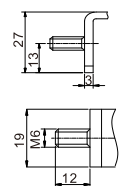
- High energy density
- High-rate performance
- Low internal resistance
- Low self-discharging rate
- Supper high PSoC cycle life
- Excellent Fast charging acceptance:  
1.5hour to 90% SoC
- Excellent high rate discharge performance  
in low temperature
- Advanced lead acid batteries: Pure Lead  
Thin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



#### Layout



#### Terminal



Unit: mm

LEOCH INTERNATIONAL TECHNOLOGY LIMITED.

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# Pure Lead Carbon Technology - PSoC Cycle



## PLH+C 62FT(12V62Ah) PLH+C SERIES-LONG PSoC LIFE

### Specification

Nominal Voltage	12V	
Rated Capacity (Ah)	10hr	62Ah @25 °C to 1.80V/cell
	8hr	62Ah @25 °C to 1.75V/cell
Dimension	Length	298.7±2mm (11.76 inches)
	Width	97±2mm ( 3.82 inches)
	Container Height	267±2mm (10.51 inches)
	Total Height (with Terminal)	267±2mm (10.51 inches)
Weight	Approx 19.5Kg (42.99 lbs)	
Terminal	T6-A	
Container Material	PC-ABS flame retardant jar and cover to UL94V-0	
Max. Discharge Current	744A (5s)	
Internal Resistance	Approx 4.8mΩ	
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	121.6	100.4	86.3	66.9	49.7	38.7	24.8	17.6	13.6	10.4	7.52	6.08	3.22
1.80V/Cell	135.6	110.3	92.4	70.1	51.5	40.1	25.1	17.7	13.7	10.6	7.70	6.20	3.29
1.75V/Cell	143.8	115.4	96.4	72.3	52.9	41.2	25.5	17.8	13.7	10.9	7.75	6.29	3.33
1.70V/Cell	151.5	120.3	99.4	74.4	54.0	41.9	25.7	17.8	13.8	11.1	7.91	6.30	3.36
1.67V/Cell	164.2	127.8	104.0	76.4	54.8	42.6	25.9	17.9	13.8	11.3	8.02	6.44	3.39
1.60V/Cell	173.1	133.2	108.0	78.5	56.0	43.3	26.0	18.0	13.9	11.4	8.12	6.48	3.50

### 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	230.6	192.1	165.9	130.2	98.1	76.6	49.4	35.0	27.3	20.9	15.3	12.4	6.57
1.80V/Cell	253.2	208.3	176.1	135.5	101.2	79.0	49.9	35.2	27.4	21.4	15.6	12.6	6.68
1.75V/Cell	265.8	215.8	182.1	138.8	103.2	80.7	50.3	35.5	27.5	21.8	15.8	12.7	6.77
1.70V/Cell	275.6	222.1	185.8	141.6	104.7	81.8	50.7	35.6	27.6	22.1	15.9	12.8	6.81
1.67V/Cell	295.8	233.7	193.1	144.7	105.9	82.7	50.9	35.7	27.7	22.4	16.1	12.9	6.85
1.60V/Cell	303.6	238.6	197.1	146.9	106.8	83.4	51.3	36.0	27.8	22.7	16.3	13.1	6.94

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