PLBC SERIES PLBC 12FT 12V 170Ah

EnSmart PLBC series is designed specially for power supply cabinets for telecommunication systems and mainly used in outdoor base stations which require high cycle levels.

EnSmart PLBC battery uses lead carbon technology and excellent heat dissipation performance and the floating standby performance, specially designed for gas gathering and exhaust system. The PLBC Series performs greatly under high and low ambient temperature and ensures the security of the system.



Benefits

- + High energy density
- + Low internal resistance and self-discharge rate
- + Excellent fast charging acceptance: 1.5 hour to 90% SOC
- + Excellent high rate discharge performance
- in low temperature
- + Super high PSoC cycle life

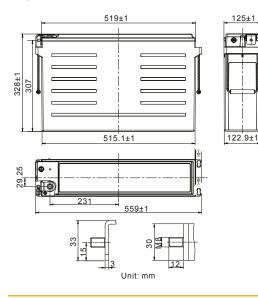
Standards

- + Compliance with IEC 60896 standards
- + Manufactured in OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

Application

- + Telecommunications Power system
- + Backup Power
- + Grid-Connected Energy Storage System
- + Off-Grid Energy Storage System
- + Demand Charge Reduction
- + Time-of-Use Bill Management

Layout



Specifications

Rated Voltage		12V
Nominal Capacity	C ₁₀ ,1.80V/cell C _a ,1.75V/cell	170Ah 170Ah
Dimension	Length Width Container Height Total Height	559±1mm (22.01 inches) 125±1mm (4.92 inches) 320±1mm (12.6 inches) 320±1mm (12.6 inches)
Approx. Weight		54.2 Kg (119.5 lbs)
Terminal		M8
Container Material	PC-ABS flame retarc	lant jar and cover to UL94 V-0
Rated Capacity (25°C)	170.0 Ah 170.4 Ah 166.5 Ah 135.9 Ah 115.6 Ah	(10hr, 17.0A,1.80V/cell) (8hr, 21.3A,1.75V/cell) (5hr, 33.3A,1.75V/cell) (3hr, 45.3A,1.75V/cell) (1hr, 115.6A,1.67V/cell)
Max. Discharge Current		2040A
Internal Resistance (25°C) Operating Temp.Range	Ą	pprox. 3.2mΩ(Fully charged) -40 ~ 65°C (-40 ~ 149°F)
Nominal Operating Temp. Range		25±3°C (77±5°F)
Max.Charging Current(25°C)		Normal Charge 0.3C
Charge voltage(25°C)	Float Temp. Coefficient Equalization	13.62V -3mV/cell/°C 14.1~14.4V
Effect of temp. to Capacity	40°C (104°F) 25°C (77°F) 0°C (32°F)	103% 100% 86%
Self Discharge	months at 25°C(77°F), time interval will be sh Battery needs to be gi when the OCV approa	can be stored up to 24 For higher temperatures the orter. ven a freshening charge ch 2.10V/cell or when the a is reached whichever

maximum storage time is reached, whichever occurs first. Storage temp. advised: 0 - 40°C



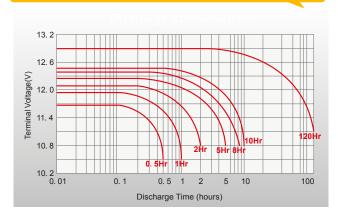


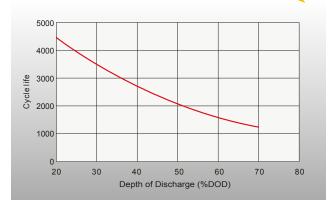
PLBC SERIES PLBC 12FT 12V 170Ah

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

F.V/Time	10 min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	246.9	212.2	185.3	144.2	110.6	98.6	57.0	42.5	35.7	31.6	20.2	16.8	8.67
1.80V/cell	272.3	233.8	200.9	154.9	117.9	103.7	59.5	44.2	37.0	32.6	20.8	17.0	8.76
1.75V/cell	294.9	249.9	212.9	161.9	122.6	108.8	61.2	45.3	38.3	33.3	21.3	17.3	8.84
1.70V/cell	313.6	263.7	223.0	167.7	126.4	112.2	62.9	46.5	39.1	33.7	21.7	17.7	8.93
1.67V/cell	322.6	270.6	228.0	170.5	128.2	115.6	64.6	47.6	40.0	34.0	22.1	17.9	9.01
1.60V/cell	336.0	281.3	235.7	174.9	130.9	119.0	65.5	48.2	40.4	34.7	22.3	18.0	9.10

Constant Power Discharge (Watts/cell) at 25 °C (77°F)													
F.V/Time	10 min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	482.6	409.8	358.4	281.3	217.3	196.4	119.6	94.7	77.0	64.1	42.8	35.0	18.8
1.80V/cell	522.9	444.9	388.4	302.6	232.6	200.6	125.7	96.8	78.9	65.7	43.9	36.1	19.3
1.75V/cell	559.0	466.1	406.6	313.2	239.6	204.7	128.7	98.0	79.8	66.5	44.5	36.2	19.6
1.70V/cell	589.6	483.4	420.7	321.4	245.0	208.5	130.6	98.9	80.4	66.9	44.6	36.3	19.7
1.67V/cell	604.7	491.5	426.5	325.1	247.6	213.4	131.2	99.1	80.6	67.1	44.8	36.4	19.7
1.60V/cell	629.7	500.5	430.7	327.4	248.4	214.2	131.6	99.2	80.9	67.3	44.9	36.6	19.8





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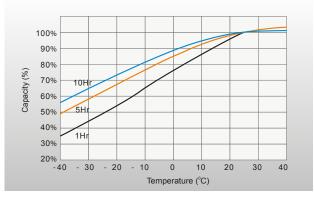
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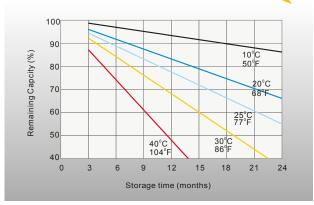
Turkey

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