Rechargeable Products Sealed Lead Acid Battery

12V100Ah

General Features

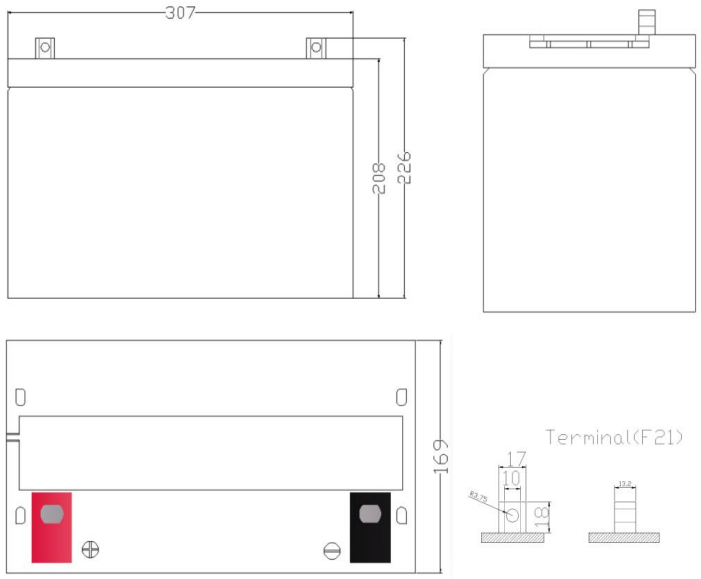
- Positive and negative plates in lead-calcium tin alloy.
- Superior energy density
- Operates at a low internal pressure.
- Gas Recombination.
- Low Self Discharge.
- Long Service Life.
- A recognized component of UL.
- Application specific designs.
- Six months shelf life at 20℃.
- Design life 10 years.

Dimensions

	Length	Width	Height	Total Height	Approx. Weight
SI Units	307mm	169mm	208mm	226mm	28.5Kg
English Units	12. 14inch	6.65inch	8. 19inch	8.9inch	62.8lbs

Performance Characteristics

- Nominal Voltage: 12V
- Number of cell: 6
- Nominal Capacity 77°F(25℃): 20 hour rate (5A , 10.8V) 100Ah
  10 hour rate (9.5A , 10.8V) 95Ah
  1 hour rate (61A, 9.6V) 60Ah
- Internal Resistance: Fully Charged battery 77°F(25℃) 5.5mΩ
- Self-Discharge: 3% of capacity declined per month at 20℃
- Operating Temperature Range: Discharge -20~ 60℃ Charge -10~ 60℃ Storage -20~ 60℃
- Max. Discharge Current 77°F(25℃): 800A (5S)
- Short Circuit Current: 1200A
- Charge Methods : Constant Voltage Charge 77°F(25℃)
  Cycle use: 14.4 ~ 14.7V Maximum charging current 22.5A
  Standby use: 13.6 ~ 13.8V



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Discharge Date

Constant Current Discharge Date(Amperes at 25℃)																						
End Voltage Per cell/V	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.60	220.0	173.0	142.0	119.0	103.0	92.0	83.0	75.5	70.0	65.0	61.0	44.0	35.8	30.2	26.5	21.2	17.8	15.1	13.2	11.7	10.50	9.60	4.93
1.65	209.0	165.0	136.0	114.0	98.8	88.2	79.5	72.3	67.1	62.4	58.6	42.3	34.5	29.2	25.7	20.6	17.3	14.6	12.9	11.5	10.40	9.50	4.92
1.70	197.0	156.0	129.0	108.5	94.4	84.2	75.9	69.0	64.1	59.7	56.1	40.5	33.1	28.1	24.9	20.0	16.8	14.1	12.6	11.3	10.20	9.40	4.90
1.75	184.0	147.0	122.0	102.7	89.8	80.0	72.2	65.6	61.0	57.0	53.5	38.6	31.7	27.0	24.0	19.3	16.2	13.5	12.2	11.0	10.00	9.20	4.85
1.80	169.0	137.0	114.0	96.5	85.0	75.6	68.3	62.0	57.6	54.0	50.7	36.6	30.2	25.8	23.0	18.6	15.5	12.9	11.7	10.6	9.70	9.00	5.00

Constant Power Discharge Date(Watts per cell at 25℃)																							
End Voltage Per cell/V	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	12h
1.60	390.0	310.0	257.0	218.0	192.0	172.0	158.0	145.0	134.0	124.0	117.0	86.0	70.0	60.0	52.0	41.5	35.0	30.5	26.5	23.1	20.9	19.0	16.0
1.65	373.0	298.0	248.0	211.0	186.5	167.5	154.0	141.3	130.5	120.7	113.9	83.5	68.0	58.3	50.5	40.4	34.1	29.8	26.0	22.7	20.6	18.8	15.9
1.70	354.0	285.0	238.0	203.0	180.3	162.5	149.7	137.4	126.9	117.3	110.7	80.9	65.9	56.5	48.9	39.2	33.1	29.1	25.5	22.3	20.2	18.5	15.7
1.75	334.0	271.0	227.0	194.0	173.6	157.0	145.2	133.3	123.2	113.8	107.4	78.2	63.8	54.7	47.3	37.9	32.0	28.3	24.9	21.8	19.8	18.2	15.4
1.80	312.0	255.0	215.0	184.0	166.1	150.5	140.2	128.8	119.2	110.0	103.9	75.4	61.5	52.7	45.6	36.6	30.9	27.4	24.2	21.2	19.3	17.8	15.1