

General Features

- Positive and negative plates in lead-calcium tin alloy.
- Superior energy density
- Operates at a low internal pressure.
- Gas Recombination.
- Usable in any orientation.
- A recognized component of UL.
- Very high power output.
- Application specific designs.
- Six months shelf life at 20°C.
- Design life 10 years.

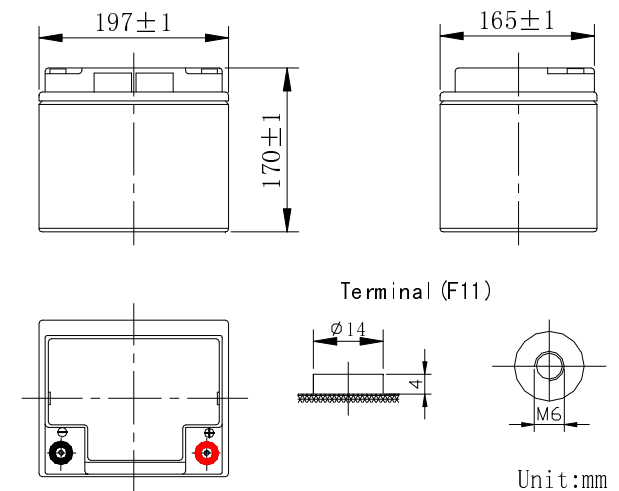


Dimensions

	Length	Width	Height	Total Height	Approx.Weight
<i>SI Units</i>	197mm	165mm	170mm	170mm	15Kg
<i>English Units</i>	7.76inch	6.50inch	6.69inch	6.69inch	33.06lbs

Performance Characteristics

- Nominal Voltage: 12V
- Number of cell: 6
- Nominal Capacity 77° F(25°C): 15 min Wattage @1.67V 185W/cell
- Nominal Capacity 77° F(25°C): 10 hour rate (4.5A, 10.8V) 45Ah
- Internal Resistance: Fully Charged battery 68° F(20°C) 6.1mΩ
- Self-Discharge: 3% of capacity declined per month at 20°C
- Operating Temperature Range: Discharge -20~60°C Charge -10~60°C Storage -20~60°C
- Max. Discharge Current 68° F(20°C): 650A (5S)
- Short Circuit Current: 1000A
- -18°C Cranking Amps (CCA): 230A
- Charge Methods: Constant Voltage Charge 68° F(20°C)
 - Cycle use: 14.4 ~ 14.7V Maximum charging current 11.3A
 - Standby use: 13.6 ~ 13.8V





UNH12-185W

Rechargeable Products Sealed Lead Acid Battery

Discharge Data

Constant Current Discharge Data(Amperes at 25°C)																							
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	141	111	86.5	72.0	66.1	67.2	51.5	46.5	41.0	38.2	35.9	25.0	19.8	16.2	14.1	11.0	9.10	7.70	6.73	6.00	5.40	4.85	2.55
1.65	136	106	83.0	69.0	63.3	54.5	50.0	45.1	39.8	37.1	35.0	24.3	19.2	15.7	13.7	10.7	8.85	7.55	6.60	5.90	5.30	4.80	2.55
1.70	130	101	79.0	65.5	60.3	52.0	48.0	43.5	38.5	36.0	34.0	23.5	18.5	15.1	13.2	10.3	8.60	7.35	6.45	5.78	5.20	4.70	2.50
1.75	124	96.0	75.0	62.0	57.2	49.5	46.0	41.9	37.2	34.9	33.0	22.7	17.8	14.5	12.6	9.90	8.35	7.15	6.30	5.64	5.10	4.60	2.45
1.80	116	90.5	70.5	58.0	54.0	46.5	43.5	40.3	35.8	33.7	31.8	21.8	17.0	13.8	12.0	9.50	8.10	6.90	6.12	5.48	4.97	4.50	2.40

Constant Power Discharge Data(Watts per cell at 25°C)																							
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	252	194	152	132	115	104	92.0	84.5	78.0	72.2	67.0	47.5	37.3	31.5	27.9	22.3	18.9	15.8	13.6	12.0	10.5	9.70	8.3
1.65	245	188	147	127	111	100	88.5	81.5	75.5	70.0	65.3	46.2	36.0	30.5	27.0	21.4	18.3	15.3	13.2	11.7	10.3	9.55	8.2
1.67	241	185	144	125	108	98.0	87.0	80.0	74.0	69.0	64.5	45.5	35.5	30.0	26.5	21.0	18.0	15.0	13.0	11.5	10.2	9.45	8.1
1.70	236	181	141	122	106	95.5	84.5	78.0	72.5	67.5	63.3	44.7	34.7	29.3	25.9	20.4	17.5	14.7	12.7	11.3	10.0	9.35	8.0
1.75	227	174	135	117	101	91.0	80.5	74.5	69.5	65.5	61.3	43.2	33.4	28.1	24.8	19.4	16.7	14.1	12.2	10.9	9.7	9.15	7.9
1.80	217	168	128	111	95.5	86.0	76.0	70.5	66.0	63.0	59.0	41.5	32.0	26.7	23.6	18.2	15.8	13.5	11.7	10.4	9.4	8.90	7.8

