

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.

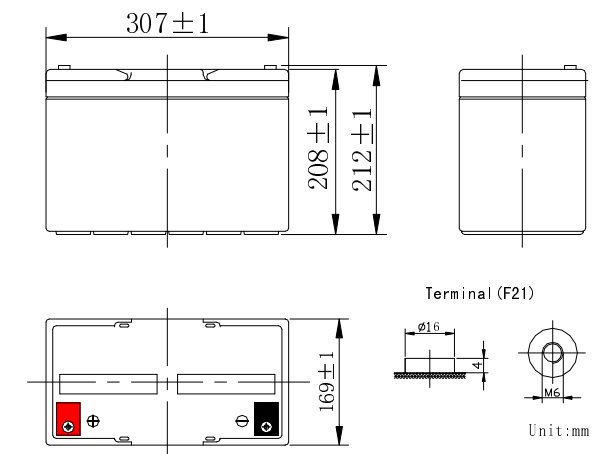


Dimensions

	Length	Width	Height	Total Height	Approx.Weight
<i>SI Units</i>	306mm	169mm	208mm	212mm	28.5Kg
<i>English Units</i>	12.1inch	6.65inch	8.19inch	8.35inch	62.8lbs

Performance Characteristics

- Nominal Voltage: 12V
- Number of cell: 6
- Nominal Capacity 77° F(25°C): 15 min Wattage @1.67V 350W/cell
- Nominal Capacity 77° F(25°C): 10 hour rate (9A, 10.8V) 90Ah
- Internal Resistance: Fully Charged battery 68° F(20°C) 4.5mΩ
- 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): 900A (5S)
- Short Circuit Current: 1950A
- Charge Methods: Constant Voltage Charge 68° F(20°C)
 - Cycle use: 14.4 ~ 14.7V Maximum charging current 22.5A
 - Standby use: 13.6 ~ 13.8V





UNH12-350W

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	259	207	168	140	125	113	100	92.0	81.5	74.0	67.0	50.8	38.0	30.1	27.2	21.2	17.4	15.1	13.0	11.7	10.4	9.40	4.90
1.65	250	200	163	137	122	109.5	98.0	89.5	79.3	72.1	65.5	48.7	36.4	29.2	26.4	20.6	17.0	14.8	12.8	11.6	10.3	9.40	4.90
1.70	240	192	157	133	118	106.0	95.0	87.0	77.0	70.0	64.0	46.5	34.6	29.0	25.5	19.9	16.5	14.5	12.6	11.4	10.2	9.30	4.85
1.75	230	184	151	129	114	102.5	92.0	84.5	74.7	67.9	62.5	44.3	32.8	27.8	24.6	19.2	16.0	14.1	12.4	11.2	10.1	9.20	4.80
1.80	218	174	144	124	109	98.0	88.5	81.8	72.2	65.6	60.5	42.0	30.9	26.5	23.6	18.4	15.4	13.7	12.1	11.0	9.90	9.00	4.70

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	464	374	301	258.0	229.0	201.0	181.0	166.0	150.0	136.5	130.0	91.5	70.5	58.8	51.2	40.8	34.2	29.5	26.4	23.6	21.5	19.8	17.1
1.65	448	361	291	250.5	223.0	195.5	176.0	162.0	146.0	133.5	127.0	89.0	68.4	57.2	50.0	39.9	33.4	28.8	25.8	23.2	21.2	19.6	16.9
1.67	440	355	287	247.0	220.0	193.0	174.0	160.0	144.0	132.0	125.0	88.0	67.5	56.5	49.5	39.5	33.0	28.5	25.5	23.0	21.1	19.5	16.8
1.70	430	348	281	242.5	216.5	190.0	171.0	157.5	142.0	130.0	124.0	86.4	66.2	55.5	48.8	38.9	32.5	28.1	25.2	22.8	20.9	19.3	16.7
1.75	412	334	270	234.0	210.0	184.0	166.0	152.0	138.0	126.5	121.0	83.8	64.0	53.8	47.6	37.9	31.6	27.4	24.6	22.4	20.6	19.0	16.5
1.80	393	320	259	225.0	203.0	178.0	160.0	146.0	134.0	123.0	117.0	81.2	61.8	42.1	46.3	36.8	30.7	26.7	24.0	21.9	20.2	18.7	16.2

