UNH12-440W

Rechargeable Products Sealed Lead Acid Battery

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General Features

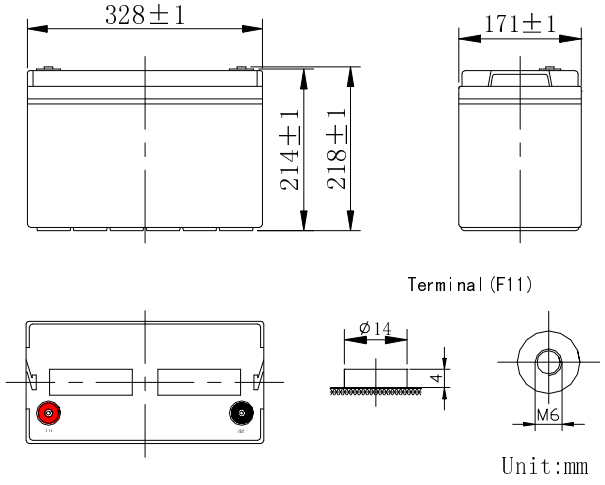
- Positive and negative plates in lead-calcium tin alloy.
- Superior energy density
- Operates at a low internal pressure.
- Gas Recombination.
- Usable in any orientation.
- A recognized component of UL.
- Very high power output.
- Application specific designs.
- Six months shelf life at 20℃.
- Design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

Dimensions

	Length	Width	Height	Total Height	Approx.Weight
SI Units	328mm	171mm	214mm	218mm	34 Kg
English Units	12.91inch	6.73inch	8.43inch	8.58inch	74.9lbs

Performance Characteristics

- Nominal Voltage： 12V
- Number of cell： 6
- Nominal Capacity 77° F(25℃)：15 min Wattage @1.67V 440W/cell
- Nominal Capacity 77° F(25℃)：20 hour rate (118A，10.8V) 118Ah
- Internal Resistance：Fully Charged battery 68° F(20℃) 3.7mΩ
- 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 68° F(20℃)：1100A (5S)
- Short Circuit Current：2200A
- Charge Methods：Constant Voltage Charge 68° F(20℃)
  Cycle use： 14.4 ～ 14.7V Maximum charging current 31A
  Standby use： 13.6 ～13.8V



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Discharge Data

Constant Current Discharge Data(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	320	262	193	164	141	122	108	98.5	93.8	88.2	84.3	58.1	47.1	39.8	35.2	27.2	22.6	19.6	17.3	15.0	13.1	12.0	6.2
1.65	302	246	187	159	138	119	106	97.2	92.2	86.8	82.8	56.4	45.6	38.6	34.2	26.5	22.1	19.3	17.1	14.9	13.0	11.9	6.2
1.70	283	230	183	154	134	116	104	95.9	90.6	85.4	80.8	54.5	44.0	37.2	33.0	25.7	21.5	18.9	16.8	14.7	13.0	11.9	6.1
1.75	264	222	179	149	130	113	102	94.3	89.0	83.9	78.6	52.6	42.4	35.8	31.8	24.8	20.8	18.4	16.4	14.5	12.9	11.8	6.1
1.80	245	204	172	142	114	109	98.5	92.5	87.3	82.2	76.3	50.5	40.5	34.4	30.6	23.8	20.1	17.9	16.0	14.1	12.8	11.8	6.0

Constant Power Discharge Data(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	543	466	366	306	268	235	211	192	177	166	159	108	82.8	68.7	59.5	48.5	41.5	35.7	31.8	28.6	25.4	24.1	21.3
1.65	521	447	354	298	260	228	204	186	172	161	154	104	80.7	67.2	58.5	47.6	40.6	35.1	31.2	28.2	25.3	24.0	21.1
1.67	511	440	349	293	257	225	201	183	170	159	152	103	79.6	66.5	57.9	47.1	40.3	34.8	30.9	28.0	25.1	23.9	21.0
1.70	497	427	342	288	252	221	197	180	167	156	149	100	78.0	65.5	57.3	46.5	39.8	34.4	30.6	27.7	25.0	23.8	20.8
1.75	472	403	328	278	244	215	190	173	161	150	142	95.9	75.4	63.8	56.2	45.5	39.0	33.6	30.0	27.1	24.8	23.7	20.6
1.80	448	377	313	266	234	207	183	167	155	142	136	91.7	72.3	62.1	55.0	44.3	38.0	32.9	29.3	26.6	24.6	23.3	20.4