



AGM Technology  
 ABT Thunder TM...W Series

**Complying standards:**

IEC60896-21/22:2004

JIS C8702-1/2-2009

# TM12-720W

12V200Ah(10hr)



ABT Thunder TM...W series VRLA are batteries according to Eurobat Classification and specially designed for application which need high power backup.

Thunder TM...W is the premium plus VRLA battery for UPS and diesel start application.

### Mechanical Characteristics

	SI Unit	EN Unit
Length	522mm	20.55inch
Width	234mm	9.21inch
Height	218mm	8.58inch
Total Height	225mm	8.86inch
Approx. Weight	64.2kg	141.24lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

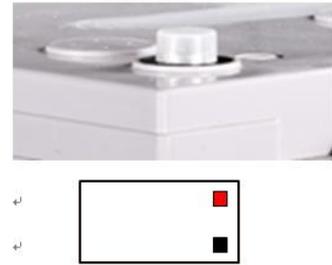
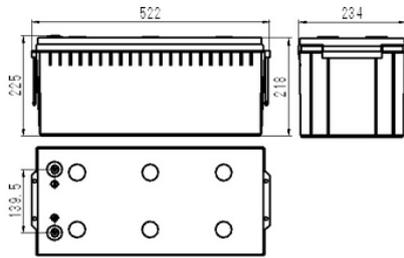
### Product Characteristics

- 12 years life expectancy in float service at 68°F (20°C)
- High current discharge and high power output performance
- High charging performance
- Low rate of self-discharge :≤2% (25°C) monthly on average
- Usable for vertical or horizontal
- Easy installation and handling
- Safety and reliable leakage-proof performance

### Performance Characteristics

- Rated voltage: 12V (6 cells)
- Rated capacity at 68°F (20°C)  
 15 min watt @ 1.67V 720W per cell  
 1h rate(124A, 10.2V) 124Ah  
 10h rate(20.0A, 10.8V) 200Ah
- Internal resistance:  
 2.45mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:  
 ≤2% per month 68°F (20°C)
- Maximum discharge current:  
 2000A(5s) at 68°F (20°C)
- Working temperature range:  
 Discharge: -15~45°C  
 Charge: -10~45°C  
 Storage: -20~55°C
- Charging method:  
 with constant voltage at 68°F (20°C)  
 Maximum charge current: 60.0A  
 Temperature compensation: -21mV/°C/piece  
 Cycle use: 14.52 V/ piece  
 Standby use: 13.74 V/ piece

**Dimensions/Terminal**



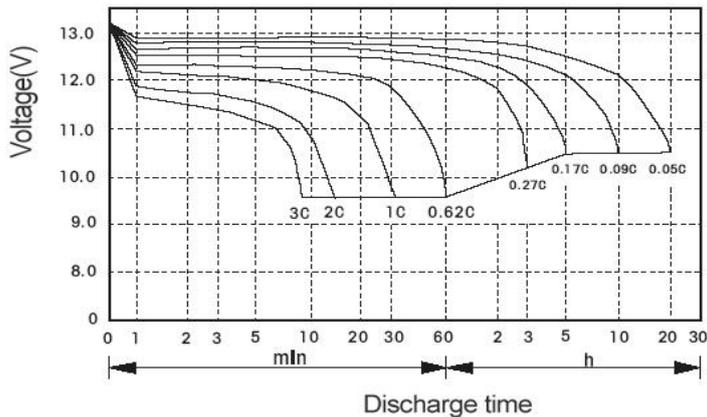
**Constant Current Discharge Data (Ampere at 20°C/68 °F)**

End Volt	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h
1.60	461	408	343	227	177	134	101	78.3	58.6	44.8	36.7	31.4	20.8
1.67	428	394	322	213	168	127	96.7	75.3	55.8	42.2	35.7	30.6	20.6
1.70	410	380	313	208	165	124	95.8	74.2	54.7	41.9	35.1	30.4	20.4
1.75	385	365	297	198	158	120	93	72.2	53.1	41.1	34.9	30	20.2
1.80	361	320	280	188	151	115	89.2	69.8	50.9	39.8	33.9	29.5	20

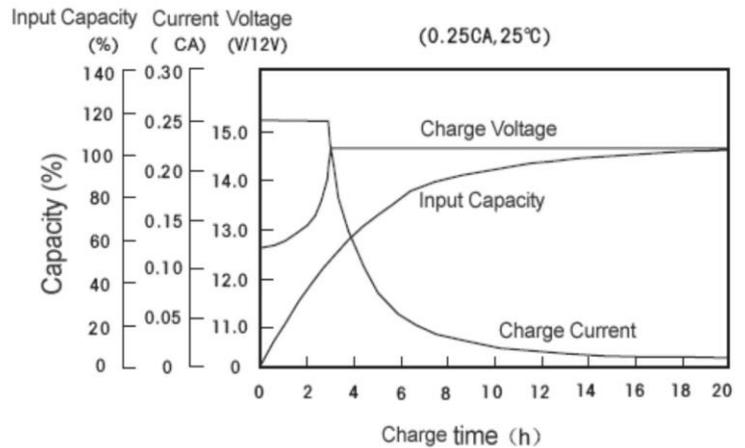
**Constant Power Discharge Data (Watts per cell at 20°C/68 °F)**

End Volt	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h
1.60	826	740	606	441	347	253	211	160	108	85.3	73.1	64.1	41.5
1.67	784	720	568	423	333	250	198	152	102	82.7	70.2	61.5	40.3
1.70	751	699	547	414	326	246	194	150	100	81.7	69.4	61	39.9
1.75	717	664	526	404	320	238	189	147	98.6	80.8	68.2	59.6	39.2
1.80	684	605	513	386	310	229	184	143	96.8	79	66.1	58.1	37.9

**Discharge curve under different discharge rate**



**Charge capacity vs. charge time**



Contact information

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**ABT VRLA Battery: Available power range from 26Ah to 3000Ah.**

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