



AGM Technology
 ABT Enduro EHP Series

EHP2-320

2V320Ah(10hr)

Complying standards:

IEC60896-21/22:2004
 BS 6290:4-1997
 Eurobat Guide



ABT Enduro EHP range of VRLA lead acid batteries have been designed specifically for use in applications which demand the highest levels of security and reliability. With proven compliance to the most rigorous international standards.

Enduro EHP is recognized as premium battery for Telecom/IT, Power Utilities applications. Enduro's reputation for long service life combined with excellent high rate performance also makes it the number one choice for high integrity, high specification UPS systems.

Mechanical Characteristics

	SI Unit	EN Unit
Length	195mm	7.68inch
Width	206mm	8.11inch
Height	220mm	8.66inch
Total Height	240mm	9.45inch
Approx. Weight	22.8kg	50.16lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

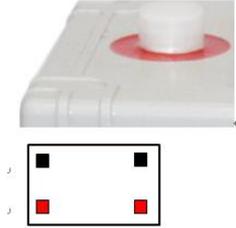
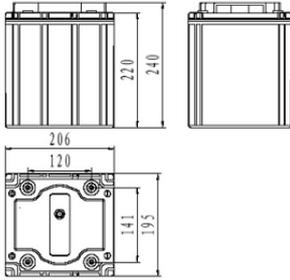
Product Characteristics

- 12 years life expectancy in float service at 68°F (20°C)
- Long life according to EUROBAT Classification
- High discharge performance;
- 99%+ gas recombination efficiency;
- Maximum charge efficiency;
- Low self-discharge rate;
- Six months shelf life at 20°C
- Easy installation and handling;

Performance Characteristics

- Rated voltage: 2V (1 cell)
- Rated capacity at 68°F (20°C)
 - 10h rate (32.0A, 1.80V) 320Ah
 - 8h rate(39.5A, 1.75V) 316Ah
 - 1h rate(192A, 1.75V) 192Ah
- Internal resistance:
 - 0.47mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤1% per month 68°F (20°C)
- Maximum discharge current:
 - 1700A(5s) at 68°F (20°C)
- Working temperature range:
 - Discharge: -15~45°C
 - Charge: -10~45°C
 - Storage: -20~60°C
- Charging method:
 - with constant voltage at 68°F (20°C)
 - Maximum charge current: 64A
 - Temperature compensation: -3.5mV/°C/piece
 - Cycle use: 2.37 V/ piece
 - Standby use: 2.27 V/ piece

Dimensions/Terminal



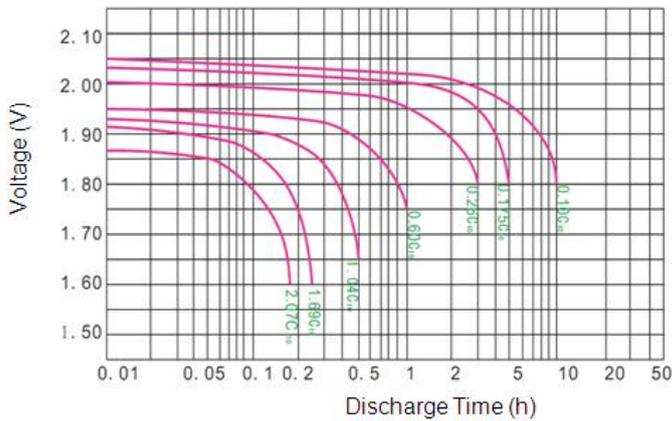
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	874	664	541	459	352	285	239	204	155	125	89.5	58.8	40.7	33.1
1.67	761	584	482	413	323	265	224	198	150	122	87.7	57.8	40.2	32.8
1.70	725	558	463	398	313	258	219	195	148	120	87	57.4	39.9	32.6
1.75	634	514	436	379	303	251	214	192	145	118	85.6	56.7	39.5	32.4
1.80	557	476	411	362	291	243	208	184	141	116	84.3	56	39.1	32

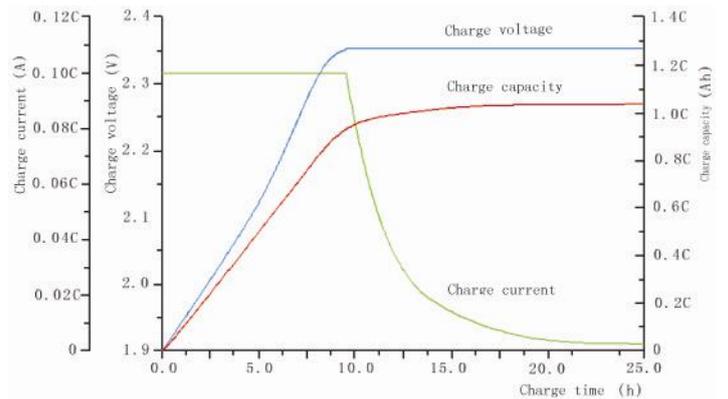
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1273	1077	894	779	593	481	411	359	277	227	164	109	78.2	63.7
1.67	1106	944	794	699	531	441	380	342	263	216	158	106	77	62.4
1.70	1032	896	762	672	514	429	369	337	260	213	156	105	76.3	62
1.75	925	829	710	625	482	403	353	321	252	208	153	103	75.3	61.2
1.80	850	760	651	575	452	381	340	306	245	202	150	102	74.3	60.3

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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