



AGM Technology  
ABT Enduro EHP Series

## EHP2-500

2V500Ah(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	213.5mm	8.41inch
Width	174mm	6.85inch
Height	348.5mm	13.72inch
Total Height	357.5mm	14.07inch
Approx. Weight	29.8kg	65.56lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

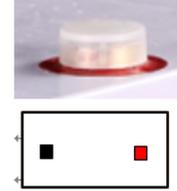
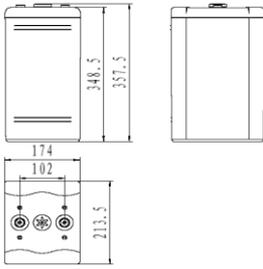
### Product Characteristics

- 15 years life expectancy in float service at 25°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 25°C
- Easy installation and handling;

### Performance Characteristics

- Rated voltage: 2V (1 cell)
- Rated capacity at 25°C
  - 10h rate (50.0A, 1.80V) 500Ah
  - 8h rate(59.9A, 1.75V) 479.2Ah
  - 1h rate(275A, 1.75V) 275Ah
- Internal resistance:
  - ≤0.6mΩ when fully charged at 25°C
- Average self-discharge rate:
  - ≤1% per month 25°C
- Maximum discharge current:
  - 1750A(5s) at 25°C
- Working temperature range:
  - Discharge: -15~50°C
  - Charge: -15~50°C
  - Storage: -20~60°C
- Charging method:
  - with constant voltage at 25°C
  - Maximum charge current: 125A
  - Temperature compensation: -3.5mV/°C/piece
  - Cycle use: 2.37 V/ piece
  - Standby use: 2.27 V/ piece

**Dimensions/Terminal**



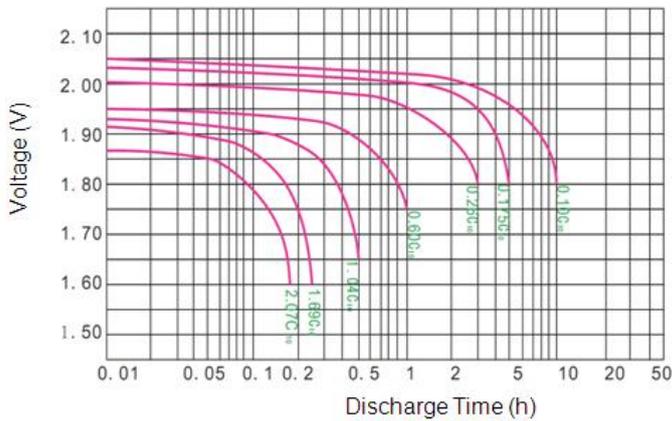
**Constant Current Discharge Data (Ampere at 25°C)**

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1050	811	671	578	459	384	333	290	222	181	133	89.2	61.7	51.5
1.67	922	712	597	520	420	357	313	281	214	176	130	87.6	60.8	50.9
1.70	872	682	574	502	408	348	306	277	212	174	129	87.1	60.5	50.7
1.75	762	628	540	478	394	339	299	275	208	171	127	86	59.9	50.3
1.80	669	581	510	456	379	327	290	262	202	167	125	85	59.3	50

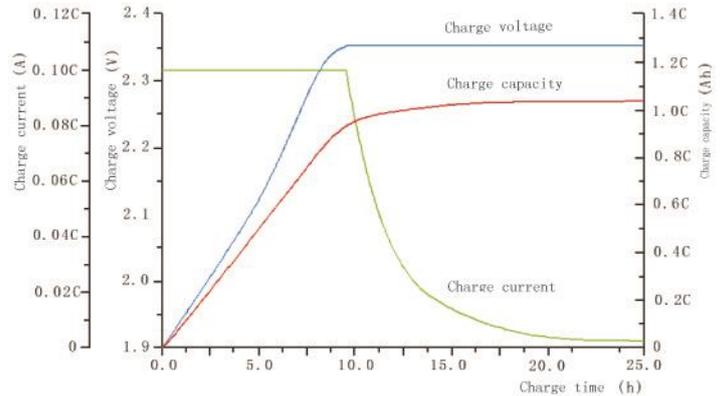
**Constant Power Discharge Data (Watts per cell at 25°C)**

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1530	1315	1109	982	772	648	573	510	397	328	244	165	119	99.1
1.67	1323	1144	980	876	694	594	530	485	377	312	235	161	117	96.9
1.70	1241	1094	945	847	670	578	515	478	372	308	232	160	116	96.5
1.75	1112	1012	881	787	628	543	492	456	362	300	227	157	114	95.2
1.80	1022	928	807	725	589	513	474	435	351	292	223	154	113	94.2

**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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