



AGM Technology
ABT Enduro EHP Series

EHP2-400

2V400Ah(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	208mm	8.19inch
Height	253mm	9.96inch
Total Height	258mm	10.16inch
Approx. Weight	25.6kg	56.32lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

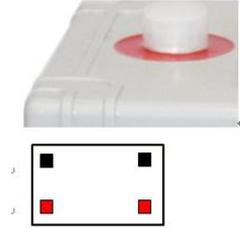
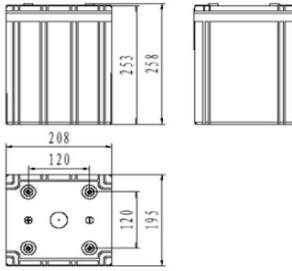
Product Characteristics

- 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 (40.0A, 1.80V) 400Ah
 - 8h rate(49.4A, 1.75V) 395.2Ah
 - 1h rate(240A, 1.75V) 240Ah
- Internal resistance:
 - 0.42mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤1% per month 68°F (20°C)
- Maximum discharge current:
 - 2200A(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: 80A
 - Temperature compensation: -3.5mV/°C/piece
 - Cycle use: 2.37 V/ piece
 - Standby use: 2.27 V/ piece

Dimensions/Terminal



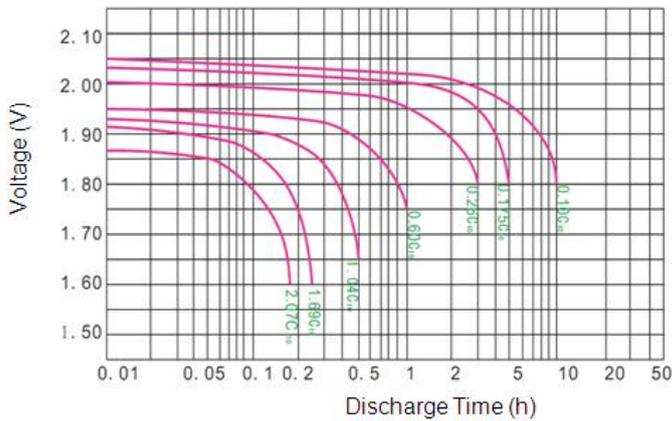
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1092	831	677	573	440	357	298	255	194	156	112	73.5	50.8	41.4
1.67	951	730	603	517	404	332	280	248	187	152	110	72.2	50.2	41
1.70	906	698	578	497	392	323	274	243	184	151	109	71.8	49.9	40.7
1.75	793	643	545	474	378	314	268	240	182	148	107	70.9	49.4	40.5
1.80	696	595	514	452	364	304	259	230	177	144	105	70	48.8	40

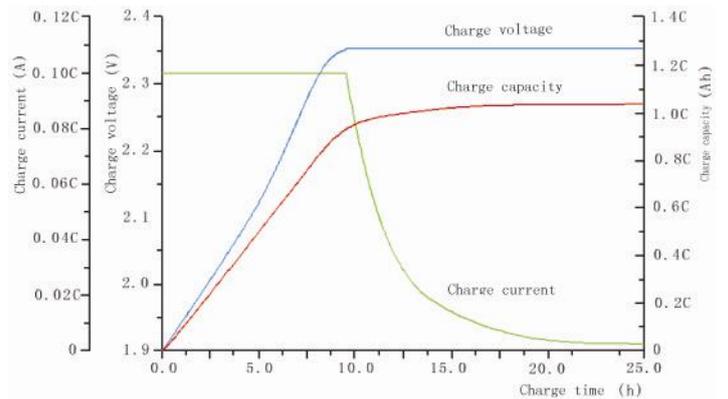
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1591	1347	1118	974	742	601	513	449	346	283	205	136	97.8	79.7
1.67	1382	1180	992	874	664	551	475	428	329	270	197	133	96.2	78
1.70	1290	1120	952	840	643	537	462	421	324	266	195	132	95.4	77.5
1.75	1156	1036	888	781	603	504	441	401	315	260	191	129	94.2	76.5
1.80	1062	950	813	719	565	476	425	383	306	253	187	127	92.9	75.3

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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