



AGM Technology
ABT Enduro EHP Series

EHP2-800

2V800Ah(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	350mm	13.78inch
Width	173mm	6.81inch
Height	338mm	13.31inch
Total Height	347mm	13.66inch
Approx. Weight	48.9kg	107.58lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

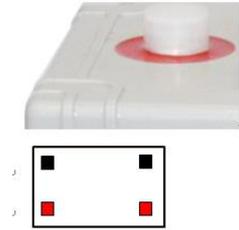
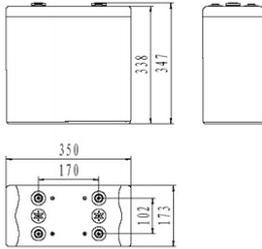
Product Characteristics

- 15 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 (80.0A, 1.80V) 800Ah
 - 8h rate(95.9A, 1.75V) 767.2Ah
 - 1h rate(440A, 1.75V) 440Ah
- Internal resistance:
 - 0.16mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤1% per month 68°F (20°C)
- Maximum discharge current:
 - 4000A(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: 160A
 - Temperature compensation: -3.5mV/°C/piece
 - Cycle use: 2.37 V/ piece
 - Standby use: 2.27 V/ piece

Dimensions/Terminal



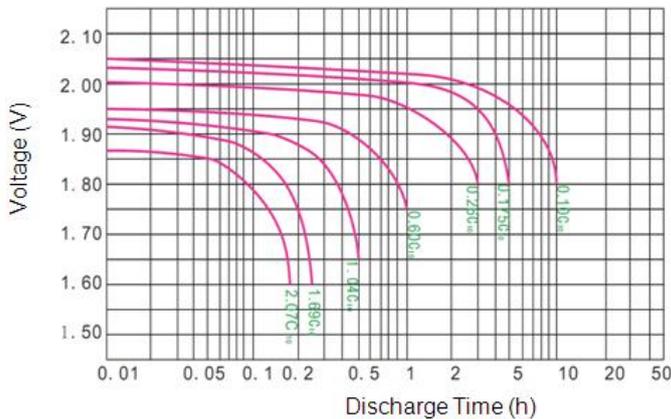
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h	24h
1.60	1680	1298	1074	924	734	615	533	464	356	289	213	143	98.7	82.4	35.3
1.67	1476	1140	955	832	672	571	500	449	343	281	209	140	97.3	81.4	34.9
1.70	1395	1091	918	802	653	557	489	443	339	279	207	139	96.9	81.1	34.8
1.75	1220	1005	864	765	630	542	478	440	333	274	204	138	95.9	80.5	34.6
1.80	1071	930	816	729	607	524	463	419	324	268	200	136	94.9	80.0	34.4

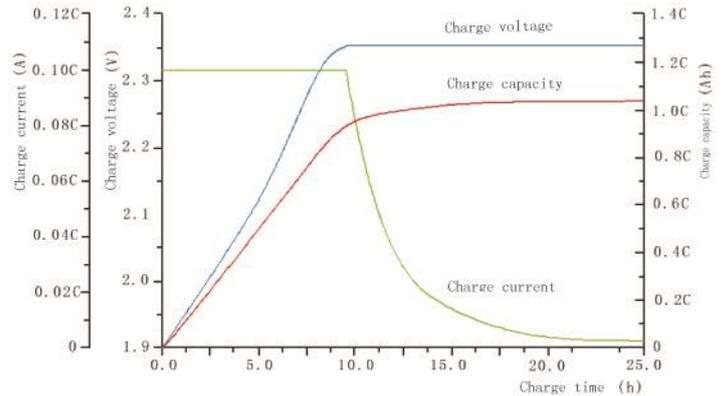
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h	24h
1.60	2448	2104	1774	1571	1236	1036	916	816	635	525	390	264	190	159	70.8
1.67	2117	1830	1569	1401	1110	951	848	777	603	500	375	258	186	155	69.4
1.70	1985	1750	1512	1354	1071	925	824	765	595	493	371	256	185	154	68.9
1.75	1778	1618	1409	1259	1005	869	787	729	578	481	364	251	183	152	67.8
1.80	1634	1485	1291	1160	942	821	759	697	561	468	356	247	180	151	66.7

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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