



AGM Technology
 ABT Enduro EHP Series

EHP2-275

2V275Ah(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	142mm	5.59inch
Width	205mm	8.07inch
Height	242mm	9.53inch
Total Height	260mm	10.24inch
Approx. Weight	18.1kg	39.82lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

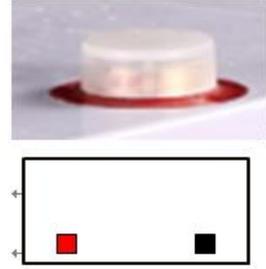
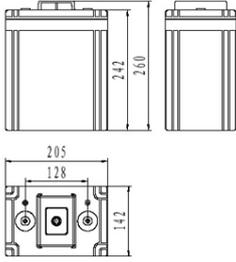
Product Characteristics

- 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 (27.5A, 1.80V) 275Ah
 - 8h rate(34.0A, 1.75V) 272Ah
 - 1h rate(165A, 1.75V) 165Ah
- Internal resistance:
 - 0.52mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤1% per month 68°F (20°C)
- Maximum discharge current:
 - 1500A(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: 55A
 - Temperature compensation: -3.5mV/°C/piece
 - Cycle use: 2.37 V/ piece
 - Standby use: 2.27 V/ piece

Dimensions/Terminal



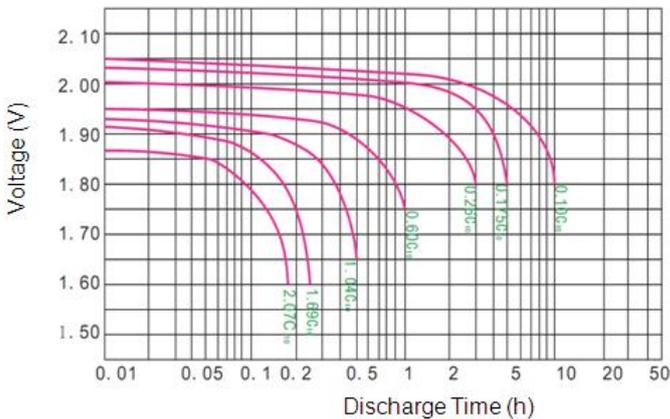
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	751	571	465	394	303	245	205	175	133	107	76.9	50.5	34.9	28.5
1.67	654	502	414	355	278	228	193	170	129	105	75.4	49.6	34.5	28.2
1.70	623	480	398	342	269	222	188	167	127	104	74.7	49.4	34.3	28
1.75	545	442	374	326	260	216	184	165	125	102	73.5	48.7	34	27.8
1.80	479	409	353	311	250	209	178	158	121	99.3	72.4	48.2	33.6	27.5

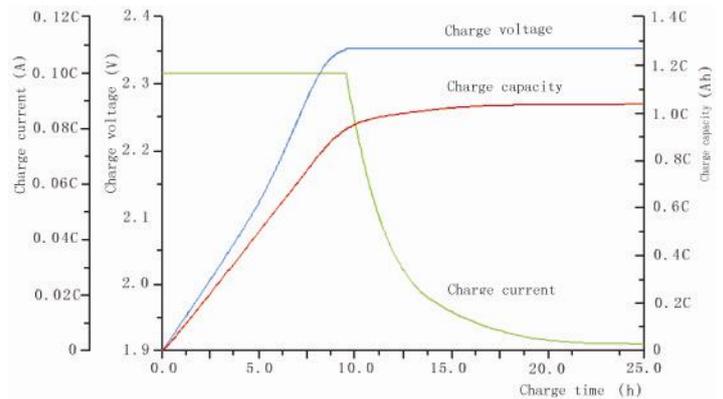
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1094	926	768	669	510	413	353	309	238	195	141	93.4	67.2	54.8
1.67	950	811	682	601	457	379	326	294	226	186	136	91.4	66.1	53.6
1.70	887	770	655	577	442	369	317	289	223	183	134	90.6	65.6	53.3
1.75	795	712	610	537	414	347	303	276	217	178	131	88.9	64.7	52.6
1.80	730	653	559	494	389	328	292	263	210	174	129	87.3	63.9	51.8

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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