



AGM Technology
ABT Enduro EHP Series

EHP2-300

2V300Ah(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	18.6kg	40.92lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

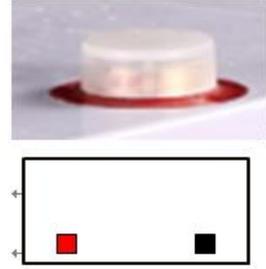
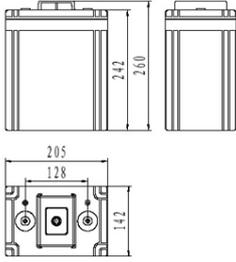
Product Characteristics

- 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 (30.0A, 1.80V) 300Ah
 - 8h rate(37.0A, 1.75V) 296Ah
 - 1h rate(180A, 1.75V) 180Ah
- Internal resistance:
 - 0.48mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤1% per month 68°F (20°C)
- Maximum discharge current:
 - 1650A(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: 60A
 - Temperature compensation: -3.5mV/°C/piece
 - Cycle use: 2.37 V/ piece
 - Standby use: 2.27 V/ piece

Dimensions/Terminal



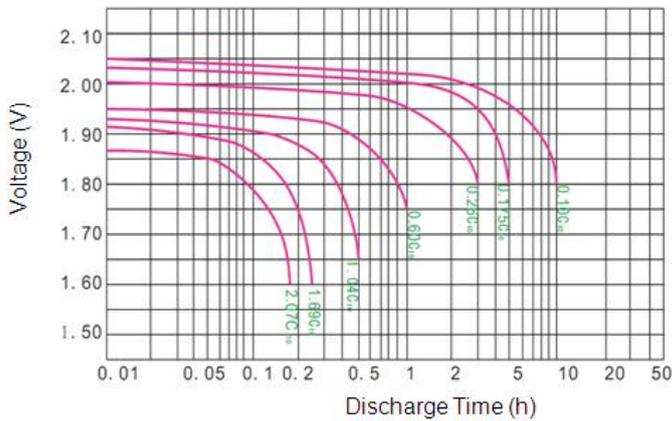
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	819	623	507	430	330	267	224	191	145	117	83.9	55.1	38.1	31.1
1.67	713	548	452	387	303	249	210	186	140	114	82.2	54.2	37.7	30.8
1.70	680	524	434	373	294	242	205	183	138	113	81.5	53.9	37.4	30.6
1.75	595	482	408	356	284	236	201	180	136	111	80.2	53.2	37	30.4
1.80	522	446	386	339	273	228	195	173	132	108	79	52.5	36.6	30

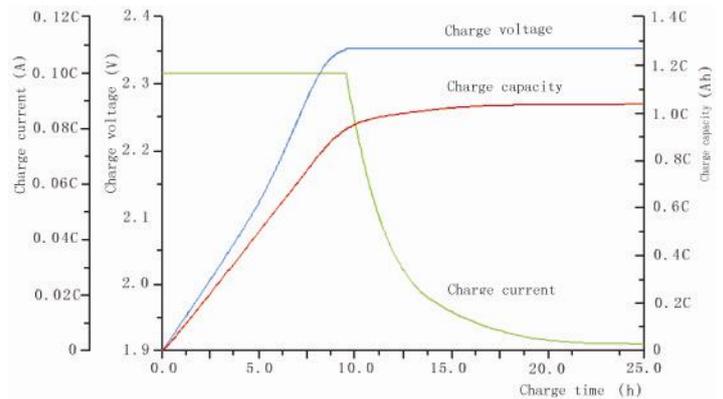
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1193	1010	838	730	556	451	385	337	260	213	153	102	73.3	59.7
1.67	1037	885	744	656	498	413	356	321	246	203	148	100	72.2	58.5
1.70	968	840	714	630	482	403	346	316	243	200	146	98.8	71.6	58.2
1.75	867	777	666	585	452	378	331	301	236	195	143	97	70.6	57.4
1.80	797	713	610	539	424	357	319	287	229	189	140	95.3	69.7	56.5

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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