



AGM Technology
 ABT Enduro EHP Series

Complying standards:

IEC60896-21/22:2004
 BS 6290:4-1997
 Eurobat Guide

EHP6-105

6V105Ah(10hr)



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	206mm	8.11inch
Height	220mm	8.66inch
Total Height	240mm	9.45inch
Approx. Weight	22.4kg	49.28lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

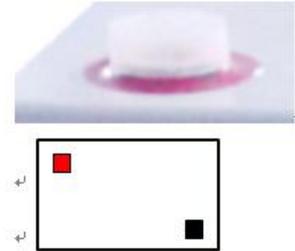
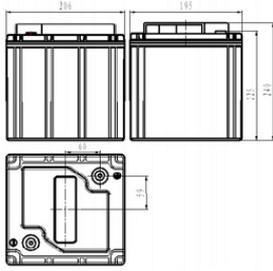
Product Characteristics

- 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: 6V (3 cells)
- Rated capacity at 68°F (20°C)
 10h rate (10.5A, 1.80V/cell) 105Ah
 8h rate(12.5A, 1.75V/cell) 100.0Ah
 1h rate(71.0A, 1.75V/cell) 71.00Ah
- Internal resistance:
 2.62mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 ≤1% per month 68°F (20°C)
- Maximum discharge current:
 945A(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: 21A
 Temperature compensation: -10.5mV/°C/pc
 Cycle use: 7.11 V/ piece
 Standby use: 6.81 V/ piece

Dimensions/Terminal



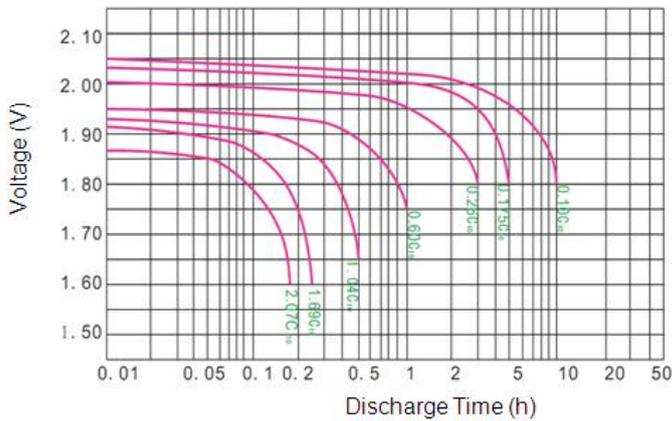
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	316.0	254.8	210.0	171.7	125.0	105.0	88.00	75.00	56.05	45.31	30.50	18.90	12.86	10.88
1.67	276.2	232.0	193.4	158.8	118.8	101.0	86.00	73.50	54.90	44.29	29.80	18.28	12.71	10.76
1.70	261.0	223.4	188.3	153.6	116.2	100.0	85.00	73.00	54.33	43.78	29.50	18.02	12.62	10.69
1.75	239.8	207.6	174.9	146.3	111.4	97.00	81.50	71.00	53.47	42.97	29.00	17.57	12.50	10.60
1.80	222.0	192.5	166.2	138.4	106.4	93.20	77.00	68.00	52.45	41.99	28.20	17.13	12.38	10.50

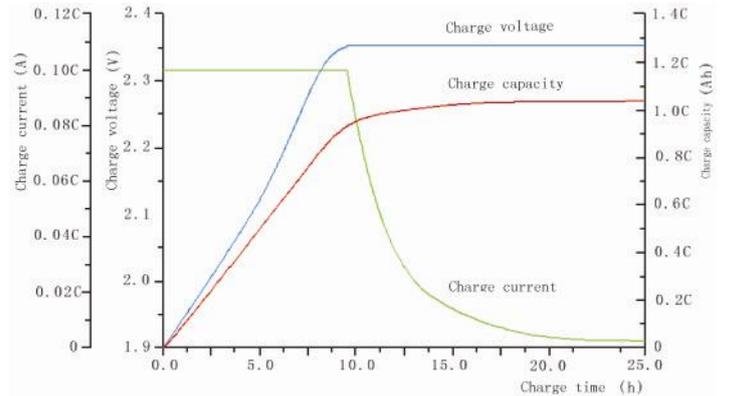
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	537.0	430.0	353.0	293.3	217.0	191.6	156.0	138.0	101.0	78.50	54.57	37.50	24.87	20.61
1.67	490.2	402.7	333.5	277.3	209.2	185.4	152.0	136.3	99.5	77.00	54.05	36.90	24.71	20.54
1.70	475.8	392.4	325.8	271.6	206.1	182.9	151.0	135.2	99.0	76.40	53.71	36.60	24.58	20.47
1.75	442.6	373.3	311.1	262.0	199.7	177.8	148.0	133.5	97.0	75.20	53.21	36.09	24.44	20.41
1.80	410.0	350.7	297.6	251.1	193.0	172.5	145.0	131.7	94.0	74.10	52.70	35.60	24.33	20.34

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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