



AGM Technology  
ABT Enduro EHP Series

## EHP2-515

2V515Ah(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	296mm	11.65inch
Width	203mm	7.99inch
Height	222mm	8.74inch
Total Height	240mm	9.45inch
Approx. Weight	34.7kg	76.34lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

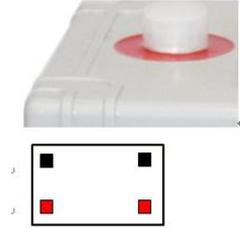
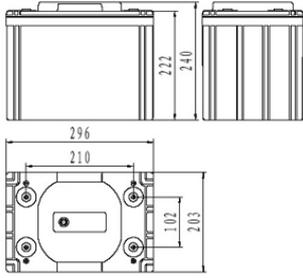
### Product Characteristics

- 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 (51.5A, 1.80V) 515Ah
  - 8h rate(63.6A, 1.75V) 508.8Ah
  - 1h rate(309A, 1.75V) 309Ah
- Internal resistance:
  - 0.38mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
  - ≤1% per month 68°F (20°C)
- Maximum discharge current:
  - 2800A(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: 103A
  - Temperature compensation: -3.5mV/°C/piece
  - Cycle use: 2.37 V/ piece
  - Standby use: 2.27 V/ piece

**Dimensions/Terminal**



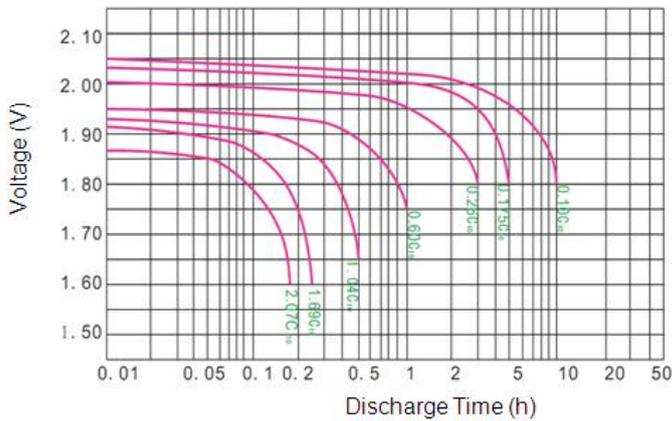
**Constant Current Discharge Data (Ampere at 20°C/68 °F)**

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1406	1069	871	738	567	459	384	329	250	201	144	94.6	65.4	53.3
1.67	1224	940	776	665	520	427	361	319	241	196	141	93	64.6	52.8
1.70	1167	899	745	641	504	416	353	313	238	194	140	92.5	64.2	52.4
1.75	1021	828	701	611	487	405	345	309	234	190	138	91.3	63.6	52.1
1.80	896	766	662	582	469	391	334	297	227	186	136	90.2	62.9	51.5

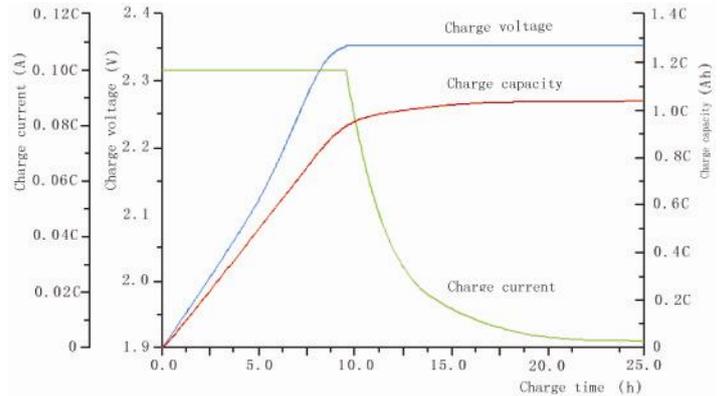
**Constant Power Discharge Data (Watts per cell at 20°C/68 °F)**

End Volt	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	2049	1734	1439	1254	955	774	661	578	446	365	263	175	126	103
1.67	1779	1519	1277	1125	855	710	611	551	423	348	254	171	124	100
1.70	1661	1442	1226	1081	828	691	594	542	418	343	251	170	123	99.8
1.75	1488	1334	1143	1005	776	649	568	516	406	334	246	166	121	98.5
1.80	1368	1224	1047	926	728	613	547	493	394	325	241	164	120	97

**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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