



AGM Technology
ABT Enduro EHP Series

EHP2-1200

2V1200Ah(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 | 510mm | 20.08inch |
| Width | 175mm | 6.89inch |
| Height | 338mm | 13.31inch |
| Total Height | 347mm | 13.66inch |
| Approx. Weight | 72.7kg | 159.9lbs |

Type of material for container and lids:

ABS Standard (FV0 Optional)

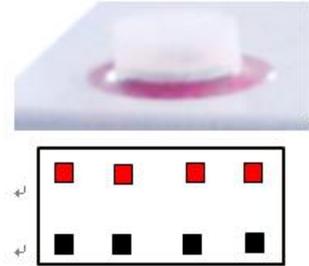
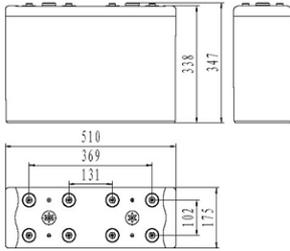
Product Characteristics

- 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 (120.0A, 1.80V) 1200Ah
 - 8h rate(144.0A, 1.75V) 1152Ah
 - 1h rate(660A, 1.75V) 660Ah
- Internal resistance:
 - 0.15mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤1% per month 68°F (20°C)
- Maximum discharge current:
 - 6000A(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: 240A
 - Temperature compensation: -3.5mV/°C/piece
 - Cycle use: 2.37 V/ piece
 - Standby use: 2.27 V/ piece

Dimensions/Terminal



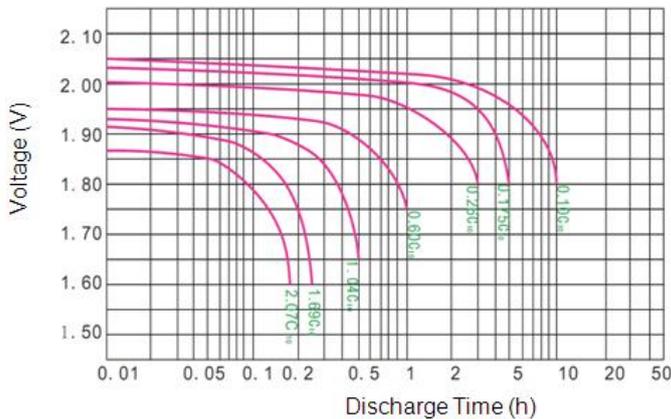
Constant Current Discharge Data (Ampere at 20°C/68 °F)

| End Volt | 5min | 10min | 15min | 20min | 30min | 40min | 50min | 1h | 1.5h | 2h | 3h | 5h | 8h | 10h | 24h |
|----------|------|-------|-------|-------|-------|-------|-------|-----|------|-----|-----|-----|-----|-----|------|
| 1.60 | 2520 | 1947 | 1611 | 1387 | 1101 | 922 | 799 | 696 | 534 | 433 | 320 | 214 | 148 | 124 | 52.9 |
| 1.67 | 2214 | 1709 | 1433 | 1248 | 1009 | 857 | 750 | 674 | 514 | 422 | 313 | 210 | 146 | 122 | 52.4 |
| 1.70 | 2092 | 1636 | 1377 | 1204 | 979 | 835 | 734 | 664 | 508 | 418 | 311 | 209 | 145 | 122 | 52.3 |
| 1.75 | 1830 | 1507 | 1297 | 1147 | 946 | 813 | 717 | 660 | 500 | 411 | 306 | 206 | 144 | 121 | 51.9 |
| 1.80 | 1606 | 1395 | 1224 | 1094 | 910 | 786 | 695 | 629 | 486 | 401 | 300 | 204 | 142 | 120 | 51.5 |

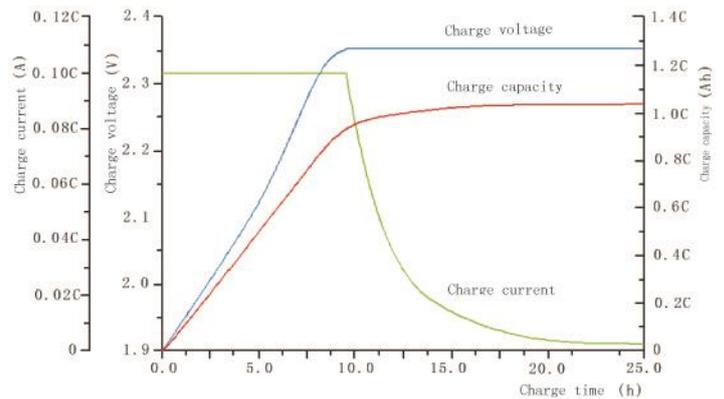
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

| End Volt | 5min | 10min | 15min | 20min | 30min | 40min | 50min | 1h | 1.5h | 2h | 3h | 5h | 8h | 10h | 24h |
|----------|------|-------|-------|-------|-------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|
| 1.60 | 3672 | 3156 | 2661 | 2356 | 1854 | 1554 | 1375 | 1224 | 953 | 787 | 585 | 396 | 285 | 238 | 106 |
| 1.67 | 3175 | 2745 | 2353 | 2102 | 1665 | 1426 | 1272 | 1165 | 905 | 750 | 563 | 386 | 280 | 233 | 104 |
| 1.70 | 2977 | 2625 | 2268 | 2032 | 1607 | 1388 | 1237 | 1148 | 893 | 740 | 557 | 384 | 278 | 231 | 103 |
| 1.75 | 2668 | 2428 | 2114 | 1889 | 1507 | 1304 | 1181 | 1094 | 868 | 721 | 546 | 377 | 274 | 228 | 102 |
| 1.80 | 2452 | 2228 | 1937 | 1740 | 1413 | 1232 | 1138 | 1045 | 841 | 701 | 534 | 370 | 271 | 226 | 100 |

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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