



AGM Technology  
 ABT Enduro EFHP  
 Series

**Complying standards:**

IEC60896-21/22:2004  
 JIS C8704-1/2 2006  
 BS6290-4: 1997  
 Eurobat Guide

**EFTB12-100**

12V100Ah(10hr)



ABT Enduro EFHP series are narrow width and front terminal design with poles and gas venting collection system placed in the front of battery container, less space and more compact, convenient for installation, maintenance and inspection mostly used in telecommunication, power supply system, energy storage, UPS and EPS system, etc. This series can be specially applied to international standard footprint 19' & 23', rack or cabinet.

**Mechanical Characteristics**

|                | SI Unit | EN Unit   |
|----------------|---------|-----------|
| Length         | 508mm   | 20.00inch |
| Width          | 110mm   | 4.33inch  |
| Height         | 238mm   | 9.37inch  |
| Total Height   | 238mm   | 9.37inch  |
| Approx. Weight | 33.2kg  | 73.19lbs  |

Type of material for container and lids:

ABS Standard (FV0 Optional)

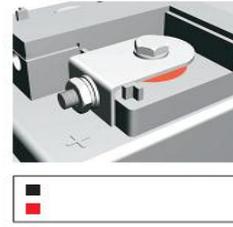
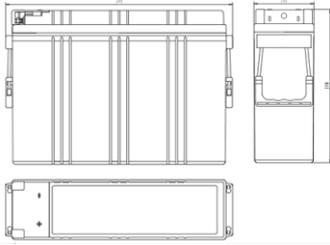
**Product Characteristics**

- 12+ years life expectancy in float service at 68°F (20°C)
- Very long life according to EUROBAT Classification
- High discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling
- Centralized venting system

**Performance Characteristics**

- Rated voltage: 12V (6 cells)
- Rated capacity at 68°F (20°C)
  - 10h rate (10.0A, 10.8V) 100Ah
  - 5h rate(17.90A, 10.8V) 89.5Ah
  - 1h rate(64.20A, 10.5V) 64.2Ah
- Internal resistance:
  - 3.99mΩ when fully charged at 68°F (20°C)
- Average self discharge rate:
  - ≤1.5% per month 68°F (20°C)
- Maximum discharge current:
  - 1100A(1s) at 68°F (20°C)
- Working temperature range:
  - Discharge: -20~55°C
  - Charge: -10~55°C
  - Storage: -20~55°C
- Charging method:
  - with constant voltage at 68°F(20°C)
  - Maximum charge current: 20A
  - Temperature compensation: -21mV/°C/pc
  - Cycle use: 14.22 V/ piece
  - Standby use: 13.62 V/ piece

**Dimensions/Terminal**



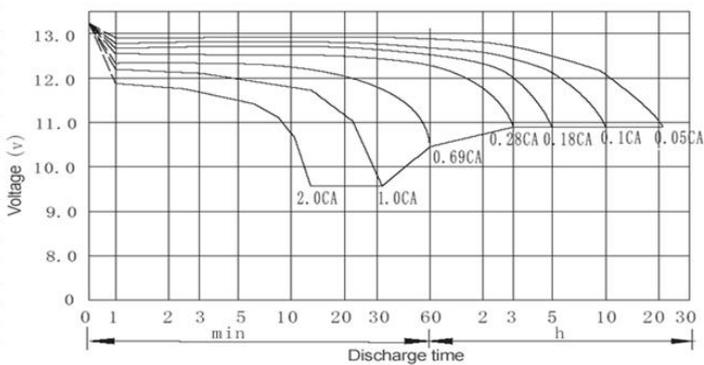
**Constant Current Discharge Data (Ampere at 20°C/68 °F)**

| End Volt | 5min  | 10min | 15min | 30min | 45min | 1h    | 2h    | 3h    | 4h   | 5h    | 6h    | 8h    | 10h   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| 1.60     | 298.0 | 245.0 | 192.0 | 117.8 | 88.1  | 68.30 | 41.80 | 28.90 | 23.7 | 18.90 | 15.80 | 12.70 | 10.45 |
| 1.65     | 286.0 | 228.0 | 180.0 | 112.6 | 83.3  | 67.40 | 41.40 | 28.40 | 23.5 | 18.56 | 15.80 | 12.60 | 10.35 |
| 1.70     | 254.0 | 210.0 | 170.0 | 106.6 | 81.4  | 66.70 | 40.70 | 27.70 | 23.3 | 18.40 | 15.70 | 12.50 | 10.23 |
| 1.75     | 228.0 | 198.0 | 148.0 | 102.4 | 79.2  | 64.20 | 40.30 | 27.40 | 23.3 | 18.13 | 15.70 | 12.40 | 10.10 |
| 1.80     | 210.0 | 178.0 | 140.0 | 98.0  | 77.1  | 62.20 | 40.00 | 26.90 | 23.1 | 17.90 | 15.50 | 12.20 | 10.00 |

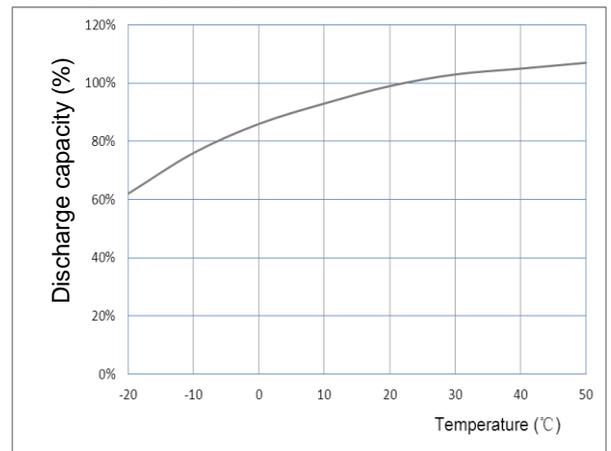
**Constant Power Discharge Data (Watts per cell at 20°C/68 °F)**

| End Volt | 5min  | 10min | 15min | 30min | 45min | 1h    | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60     | 470.0 | 415.0 | 336.3 | 217.3 | 160.9 | 132.0 | 77.1 | 55.5 | 42.5 | 36.5 | 30.7 | 23.0 | 20.2 |
| 1.65     | 450.0 | 399.0 | 327.5 | 207.0 | 156.4 | 130.0 | 74.8 | 54.8 | 42.2 | 35.9 | 30.5 | 22.9 | 20.1 |
| 1.70     | 437.0 | 380.0 | 312.0 | 202.0 | 150.5 | 128.0 | 73.6 | 54.0 | 42   | 35.1 | 30.2 | 22.8 | 20   |
| 1.75     | 415.0 | 362.0 | 299.0 | 193.8 | 145.9 | 124.0 | 72.5 | 53.5 | 41.7 | 34.7 | 30.0 | 22.7 | 19.8 |
| 1.80     | 399.0 | 345.0 | 285.0 | 187.5 | 142.1 | 120.0 | 71.4 | 53.1 | 41.4 | 34.1 | 29.6 | 22.6 | 19.7 |

**Discharge curve under different discharge rate**



**Discharge capacity under different temp.**



Contact information

Advanced Battery Technology BV  
 Add. New Yorkstraat 14 1175 RD Lijnden Amsterdam, Netherland  
 Web: <http://www.abtbatt.com> Email: sales@abtbatt.com

**ABT VRLA Battery: Available power range from 26Ah to 3000Ah.**

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