



AGM Technology
 ABT Enduro EFHP Series

EFTA12-190

12V190Ah(10hr)

Complying standards:

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



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	558mm	21.97inch
Width	125mm	4.92inch
Height	324mm	12.76inch
Total Height	324mm	12.76inch
Approx. Weight	57.0kg	125.4lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

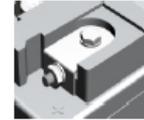
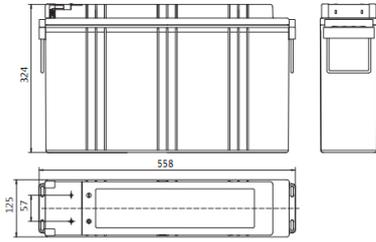
Product Characteristics

- 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 (19.0A, 10.8V) 190Ah
 - 5h rate(33.8A, 10.8V) 169Ah
 - 1h rate(106.1A, 10.5V) 106.1Ah
- Internal resistance:
 - 3.3mΩ when fully charged at 68°F(20°C)
- Average self discharge rate:
 - ≤1.5% per month 68°F(20°C)
- Maximum discharge current:
 - 1500A(3s) 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: 38A
 - Temperature compensation: -21mV/°C/pc
 - Cycle use: 14.22 V/ piece
 - Standby use: 13.62 V/ piece

Dimensions/Terminal



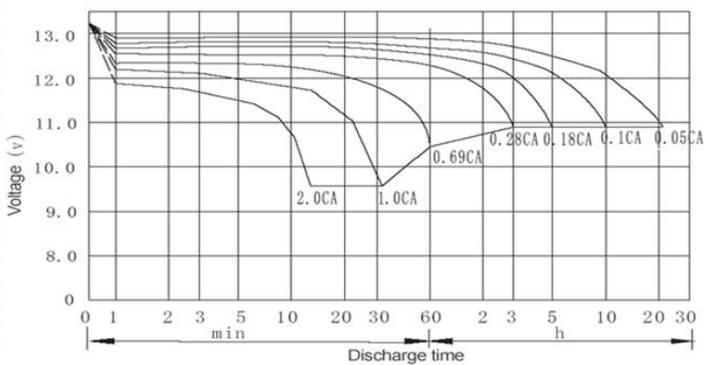
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h
1.60	506.0	385.7	306.6	198.3	141.3	116.3	75.4	53.70	43.8	35.30	30.10	23.40	19.60
1.65	490.5	374.4	300.5	190.0	139.6	112.5	73.7	52.10	43.1	34.90	30.10	23.30	19.4
1.70	450.9	346.0	290.1	186.0	138.3	108.9	71.8	51.20	42.3	34.60	29.70	23.00	19.3
1.75	415.6	317.1	274.0	183.0	137.8	106.1	70.7	50.60	41.6	34.20	29.40	22.80	19.10
1.80	370.7	294.6	262.4	163.9	123.7	98.3	68.7	49.70	41.3	33.80	29.10	22.50	19.0

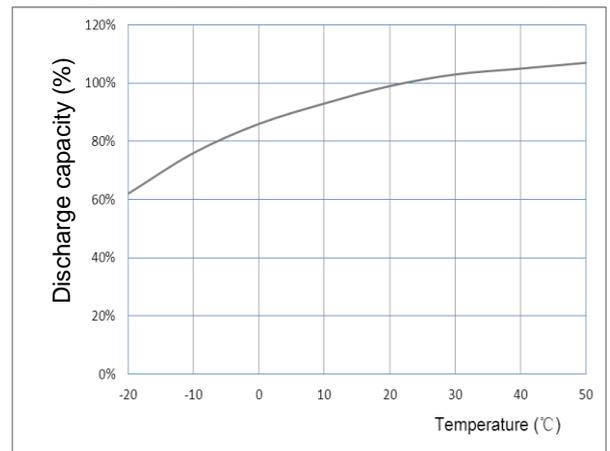
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h
1.60	882.6	710.2	570.0	412.5	295.2	237.8	150	110.00	83.8	67.50	57.90	44.90	38.65
1.65	844.0	668.4	550.0	389.3	290.6	231.4	147.8	107.00	82.7	67.20	57.70	44.70	38.49
1.70	802.2	622.3	520.0	387.0	283.0	220.7	144.6	104.00	81.6	66.90	57.40	44.40	38.35
1.75	756.3	583.7	483.0	384.0	276.8	216.4	143.6	103.00	80.7	66.40	57.00	44.20	38.22
1.80	703.7	562.3	473.0	340.0	249.1	208.9	140.3	100.00	80.3	65.70	56.60	43.90	37.46

Discharge curve under different discharge rate



Discharge capacity under different temp.



Contact information

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

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