

Complying standards:

IEC60896-21/22 2004,
JIS C8704-1/2 2006,
Bs6290-41997,
JIS C8702-1/2 2003,
Eurobat Guide,

AGM TECHNOLOGY
ABT Enduro EFHP Series

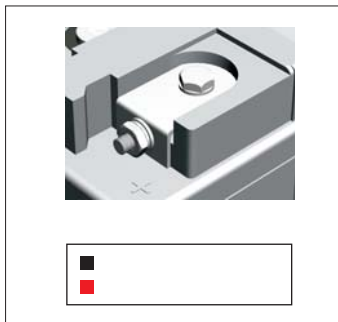


EFTA12-160

12V 160Ah(10hr, 68°F20°C)

Dimensions and Weight

	SI Units	English Units
Length	558mm	21.97inch
Width	125mm	4.92inch
Height	311mm	12.24inch
Total Height	311mm	12.24inch
Approx. Weight	54.0Kg	119.05lbs



Product Characters

- Thick pasted plates with high quality lead-tin-calcium alloy grids for long service life
- V0 class ABS container and cover, in accordance with flame retardancy standard IEC 707 FV0 for safety operation
- Centralized venting system for gas ventilation;
- Plastics or rope handles for handling and installation convenience;
- Robust stainless steel stud terminals providing high conductivity, easy connection;
- Design life 12 years
- Low Self Discharge
- U. L. Component Recognition
- Six months shelf life at 20°C

Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Nominal Capacity 68°F(20°C)	10 hour rate (16.0A, 10.8V) 160Ah 5 hour rate (30.2A, 10.5V) 93.8Ah 1 hour rate (117.0A, 9.60V)117.0Ah
Internal Resistance	Fully Charged battery 68°F(20°C) 3.78mOhms
Self-Discharge	3% of capacity declined per month at 20°C(average)
Operating Temperature Range	Discharge -20~60°C Charge -10~60°C Storage -20~60°C
Max. Discharge Current	68°F(20°C) 850A(5s)
Charge Methods:	Constant Voltage Charge 68°F(20°C) Cycle use 14.1-14.4V Maximum charging current 20% of rated capacity Temperature compensation -24mV/°C Standby use 13.44-13.68V Temperature compensation -20mV/°C

ABT Front Terminal Battery

The new ABT Enduro EFHP series of VRLA batteries has been specially designed for use in telecom systems. You can expect our batteries meet with the standards JIS C8704 , IEC60896-21/22 & BS6290-4. We have obtained ISO9001, ISO14001, OHSAS18001 certification. We have obtained UL approval (MH25860) for all types of batteries. We have obtained CE approval for all type of batteries. All these render our batteries to be compatible with requirements of world-level equipments. With front access terminals, it's easy for installing and taking voltage readings during service. The battery container and cover, made from V0 class flame retardant ABS & with thick walls, offer the battery with high mechanical strength and safety service features.

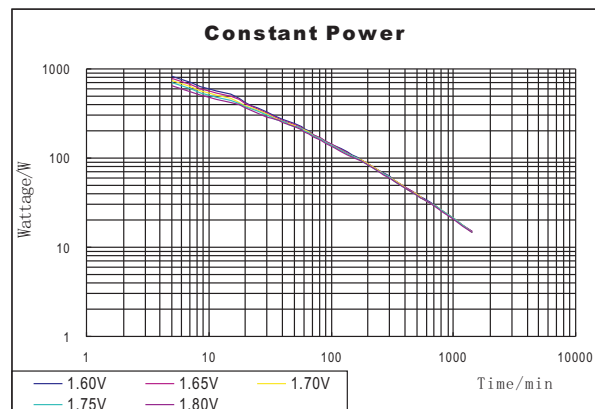
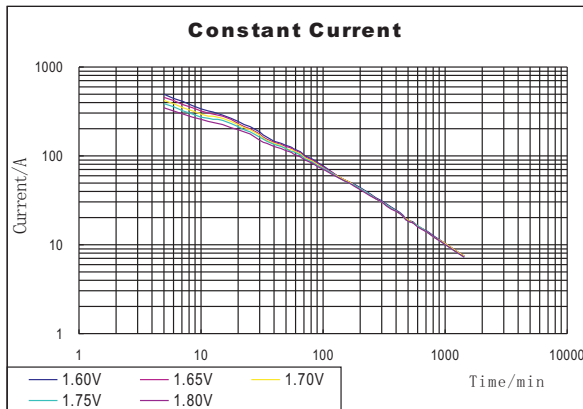
Constant Current Discharge Data (Amperes at 20°C)

End Volt. Per Cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60V	338.0	288.0	243.0	214.0	186.0	165.0	148.0	140.0	132.0	123.0	117.0	85.0	65.0	54.3	47.5	37.5	31.0	26.5	23.0	18.8	18.0	16.5	14.1	7.47
1.65V	317.0	277.0	231.0	204.0	178.0	156.0	144.0	135.0	128.0	121.0	115.0	82.5	64.0	53.8	47.1	37.0	30.7	26.0	22.8	18.6	17.9	16.4	14.0	7.37
1.70V	298.0	262.0	223.0	195.0	170.0	152.0	140.0	130.0	122.0	117.0	112.0	80.5	63.0	53.2	46.7	36.6	30.4	25.8	22.7	18.6	17.9	16.4	13.9	7.33
1.75V	276.0	250.0	214.0	186.0	165.0	145.0	136.0	126.0	120.0	112.0	108.0	79.0	62.5	52.7	46.3	36.3	30.2	25.5	22.6	18.5	17.8	16.2	13.8	7.28
1.80V	255.0	228.0	196.0	175.0	151.0	140.0	128.0	120.0	115.0	108.0	103.0	77.0	61.5	52.2	46.0	36.0	30.0	25.3	22.5	18.5	17.8	16.0	13.7	7.23

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

End Volt. Per Cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60V	600.0	515.1	423.2	369.5	330.3	299.4	274.6	257.0	242.6	231.2	215.0	155.0	126.0	108.0	95.2	74.5	62.5	52.5	45.5	41.3	37.0	33.5	29.0	15.0
1.65V	570.0	489.3	403.6	357.2	317.9	291.1	267.4	251.9	237.4	226.1	210.0	153.0	124.0	107.0	94.5	74.0	62.0	52.0	45.0	40.8	36.6	33.3	28.8	14.9
1.70V	540.0	463.5	390.2	347.9	310.7	281.8	260.1	245.7	232.3	221.9	206.0	151.0	122.0	106.0	93.8	73.5	61.5	51.6	44.6	40.5	36.3	33.0	28.6	14.8
1.75V	510.0	443.9	375.7	336.5	302.5	275.6	256.0	239.5	228.1	217.8	202.0	149.0	120.0	105.0	92.6	73.0	61.0	51.3	44.2	40.2	36.0	32.8	28.5	14.7
1.80V	480.0	421.2	363.4	323.1	291.1	269.4	249.8	236.4	224.0	212.6	198.0	147.0	118.0	104.0	91.5	72.5	60.5	51.0	44.0	40.0	35.8	32.5	28.2	14.6

Performance drawing



Contact information

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ABT VRLA Battery: Available Power Range From 7Ah to 3000Ah

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