

Complying standards:
IEC60896-21/22 2004
BS-6290:4-1997
Eurobat Guide -12 years and longer "long life"

AGM TECHNOLOGY
ABT Enduro EHP Series

EHP2-2000

2V 2000Ah(10hr)



High Performance

The 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	English Unit
Length	433mm	17.05inch
Width	342mm	13.46inch
Height	341mm	13.43inch
Total Height	351mm	13.82inch
Approx. Weight	118.0kg	260.15lbs
Type of material for box and lids : ABS Standard (FV0 Optional)		

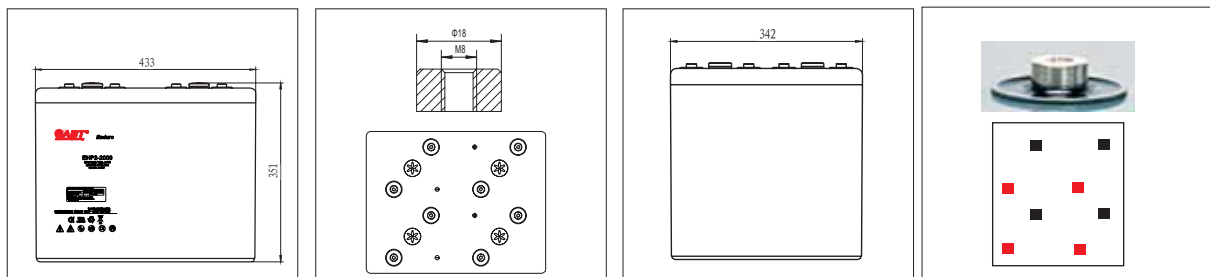
Product Characteristics

- Thick Pb-Ca-Sn alloy grids designed to resist corrosion and prolong life
- Low resistance microporous glass fibre separator
- Low specific acid density
- High integrity pillar seal
- Maintenance-Free Operation
- Low Pressure Venting System
- Low Self Discharge
- U. L. Components Recognition
- Six months shelf life at 20°C
- Design life 12 years

Performance Characteristics

Nominal Voltage	2V
Number of Cell	4
Nominal Capacity 20°C (68°F)	10 hour rate (200.0A, 1.80V) 2000Ah 8 hour rate (240.0A, 1.75V) 1920Ah 1 hour rate (1100.0A, 1.75V) 1100Ah
Intensity	
Max. Discharge Current	20°C (68°F)9000A(5s)
Short circuit current	13400A
Maximum charge current	300A(15% of rated capacity)
Internal Resistance	Fully Charged battery 20°C (68°F) 0.10mOhms
Mass Energy(Wh/kg)	33.90
Volumic Energy(Wh/L)	79.21
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
Charge Methods:	Constant Voltage Charge 20°C (68°F) Cycle use 2.34-2.38V Temperature compensation -3.5mV/°C/unit Standby use 2.24-2.28V Temperature compensation -3.5mV/°C/unit
Terminal Type	Inserted Thread and bolt M8X φ 18
Torque strength in Nm	12~16
Handle Type	No
Flame arrester	Yes

Dimensions / Terminal



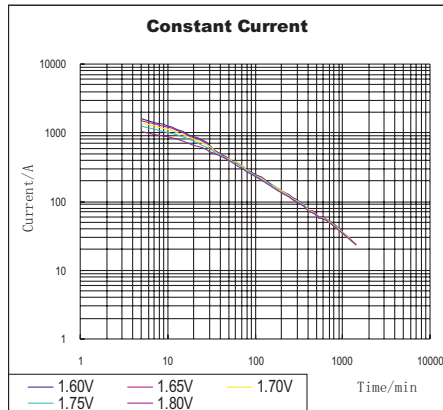
Constant Current Discharge Data (Amperes at 20°C/68°F)

End Volt. Per Cell	5min	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	4200	3245	2685	2311	2041	1834	1671	1537	1426	1331	1246	1160	890	722	615	533	425	357	310	275	247	224	206	173	88.2
1.65V	3818	2971	2481	2153	1914	1731	1584	1464	1363	1277	1204	1140	869	710	604	525	419	352	307	272	244	222	204	172	87.6
1.70V	3486	2727	2295	2006	1795	1631	1500	1392	1301	1223	1161	1107	846	697	596	518	414	349	304	270	242	219	203	170	87.1
1.75V	3050	2512	2161	1912	1724	1576	1455	1355	1269	1195	1130	1100	833	685	586	509	409	344	300	268	240	217	201	169	86.5
1.80V	2677	2325	2040	1824	1654	1517	1405	1310	1228	1158	1096	1048	810	669	573	500	402	340	297	264	237	215	200	168	85.9

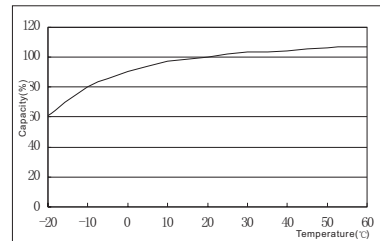
Constant Power Discharge Data (Watts per cell at 20°C/68°F)

End Volt. Per Cell	5min	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	6120	5261	4435	3926	3413	3090	2812	2590	2409	2291	2147	2040	1588	1312	1114	974	778	660	580	523	475	434	396	336	177
1.65V	5622	4776	4064	3621	3170	2870	2624	2440	2290	2178	2073	1970	1527	1267	1084	948	760	648	568	516	469	428	389	332	175
1.70V	4962	4376	3780	3386	2972	2679	2484	2313	2177	2061	1980	1913	1488	1233	1057	928	746	639	561	510	463	422	386	328	172
1.75V	4446	4046	3523	3148	2760	2511	2317	2173	2069	1968	1891	1823	1446	1202	1030	909	733	628	554	504	457	416	381	325	170
1.80V	4086	3713	3228	2900	2571	2355	2203	2053	1973	1897	1814	1741	1402	1169	1007	891	719	617	545	495	451	410	377	322	167

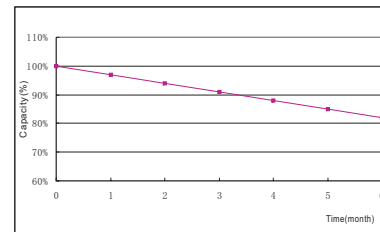
Constant Current Discharge Curve



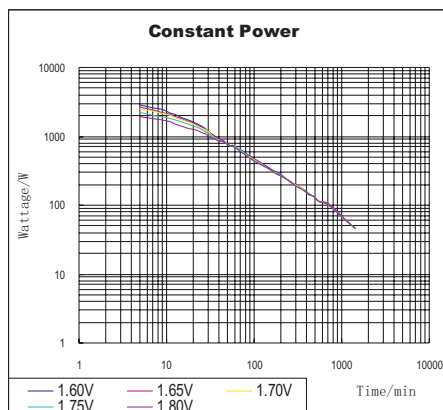
Capacity Vs Temperature



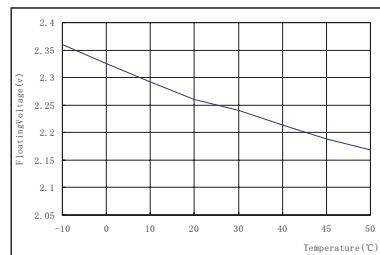
Self Discharge



Constant Power Discharge Curve



Floating Charge Voltage Vs Temperature



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

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