

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

AGM TECHNOLOGY
ABT Enduro EHP Series

EHP2-1000

2V 1000Ah(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	430mm	16.93inch
Width	173mm	6.81inch
Height	338mm	13.31inch
Total Height	347mm	13.66inch
Approx. Weight	59.5kg	131.18lbs
Type of material for box and lids : ABS Standard (FV0 Optional)		

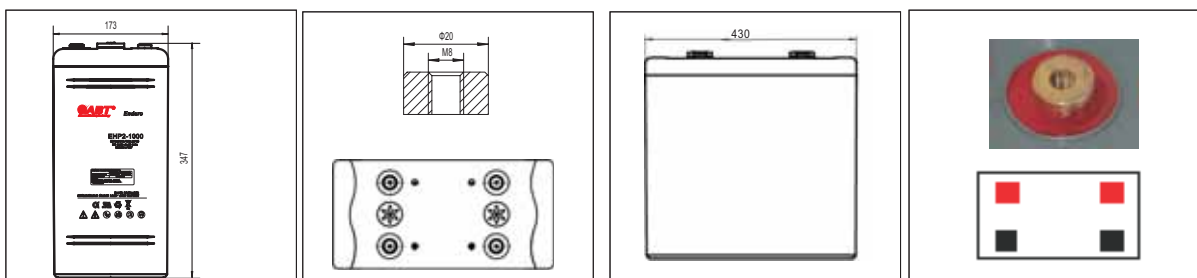
Product Characteristics

- 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	2
Nominal Capacity 20°C (68°F)	10 hour rate (100.0A, 1.80V) 1000Ah 8 hour rate (120A, 1.75V) 960Ah 1 hour rate (550.0A, 1.75V) 550Ah
Intensity	
Max. Discharge Current	20°C (68°F)5000A(5s)
Short circuit current	8600A
Maximum charge current	150A(15% of rated capacity)
Internal Resistance	Fully Charged battery 20°C (68°F) 0.17mOhms
Mass Energy(Wh/kg)	33.61
Volumic Energy(Wh/L)	79.54
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 20
Torque strength in Nm	12~16
Handle Type	No
Flame arrester	Yes

Dimensions / Terminal



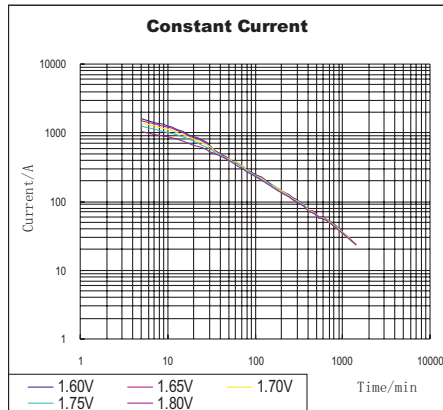
Constant Current Discharge Data (Amperes at 20°C/68°F)

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	2100	1622	1342	1156	1020	917	835	769	713	666	623	580	445	361	308	266	212	178	155	137	123	112	103	86.5	44.1
1.65V	1909	1486	1241	1077	957	865	792	732	682	639	602	570	434	355	302	263	210	176	154	136	122	111	102	85.9	43.8
1.70V	1743	1363	1148	1003	897	816	750	696	651	611	581	553	423	349	298	259	207	174	152	135	121	110	101	85.2	43.5
1.75V	1525	1256	1081	956	862	788	728	677	634	598	565	550	416	342	293	255	204	172	150	134	120	109	101	84.5	43.3
1.80V	1339	1162	1020	912	827	759	702	655	614	579	548	524	405	334	287	250	201	170	148	132	119	108	100	83.9	43.0

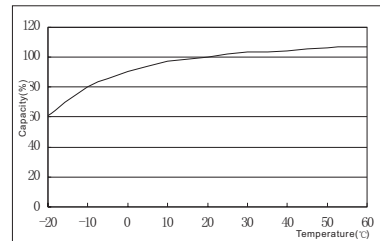
Constant Power Discharge Data (Watts per cell at 20°C/68°F)

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	3060	2630	2218	1963	1706	1545	1406	1295	1204	1146	1073	1020	794	656	557	487	389	330	290	262	237	217	198	168	88.5
1.65V	2811	2388	2032	1811	1585	1435	1312	1220	1145	1089	1037	985	764	634	542	474	380	324	284	258	234	214	195	166	87.4
1.70V	2481	2188	1890	1693	1486	1339	1242	1157	1088	1030	990	957	744	616	528	464	373	320	280	255	232	211	193	164	86.1
1.75V	2223	2023	1762	1574	1380	1256	1159	1087	1035	984	945	912	723	601	515	455	366	314	277	252	229	208	190	163	84.8
1.80V	2043	1856	1614	1450	1285	1177	1101	1027	987	948	907	871	701	585	503	445	360	308	273	248	226	205	188	161	83.4

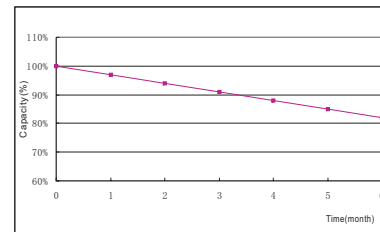
Constant Current Discharge Curve



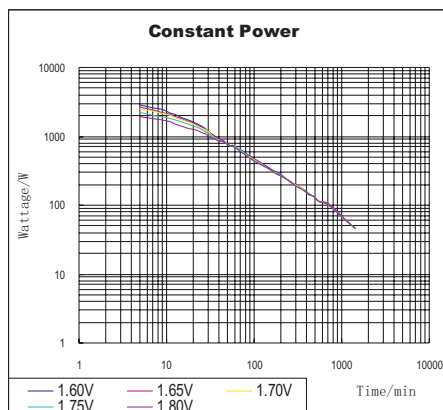
Capacity Vs Temperature



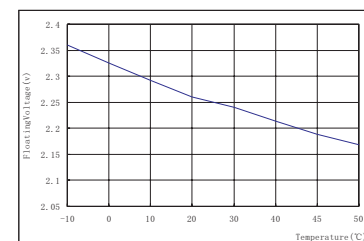
Self Discharge



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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