

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

AGM TECHNOLOGY
ABT Enduro EHP Series

EHP2-560

2V 560Ah(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	296mm	11.65inch
Width	203mm	7.99inch
Height	222mm	8.74inch
Total Height	240mm	9.45inch
Approx. Weight	36.1kg	79.59lbs
Type of material for box and lids : ABS Standard (FV0 Optional)		

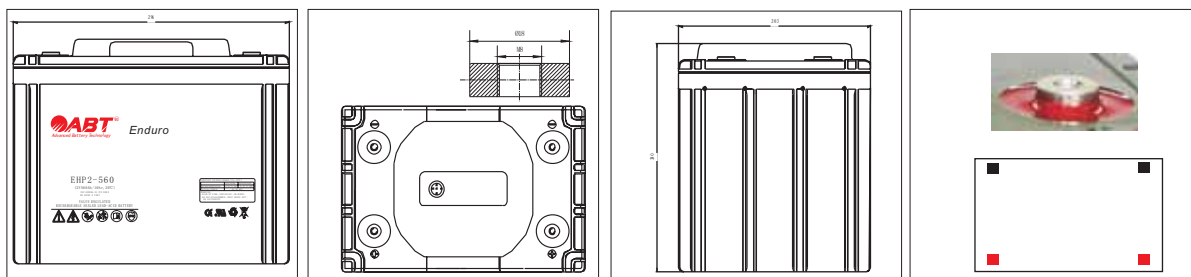
Product Characteristics

- 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	1
Nominal Capacity 20°C (68°F)	10 hour rate (56.0A, 1.80V) 560Ah 8 hour rate (69.2A, 1.75V) 553.6Ah 1 hour rate (336.0A, 1.75V) 336Ah
Intensity	
Max. Discharge Current	20°C (68°F)3000A(5s)
Short circuit current	5700A
Maximum charge current	84A(15% of rated capacity)
Internal Resistance	Fully Charged battery 20°C (68°F) 0.36mOhms
Mass Energy(Wh/kg)	31.02
Volumic Energy(Wh/L)	83.96
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	Incorporated
Flame arrester	Yes

Dimensions / Terminal



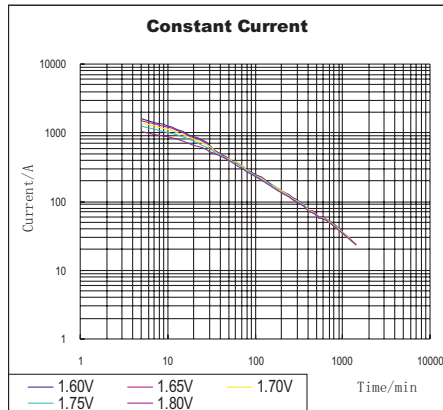
Constant Current Discharge Data (Amperes at 20°C / 68°F)

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	1529	1163	947	802	697	616	552	499	455	418	384	357	272	218	184	157	124	103	88.7	77.7	71.2	63.2	58.0	48.6	24.7
1.65V	1390	1065	875	748	654	582	523	476	435	401	371	351	265	215	181	154	122	102	87.7	77.0	70.5	62.5	57.5	48.3	24.6
1.70V	1269	977	810	696	613	548	496	452	415	384	358	341	258	211	179	152	121	101	86.9	76.4	69.8	61.9	57.0	47.9	24.4
1.75V	1110	900	762	664	589	530	481	440	405	375	348	336	254	207	175	150	119	99.2	85.8	75.7	69.2	61.3	56.7	47.5	24.3
1.80V	975	833	720	633	565	510	464	425	392	363	338	323	247	202	172	147	117	98.1	84.7	74.7	68.4	60.7	56.0	47.2	24.1

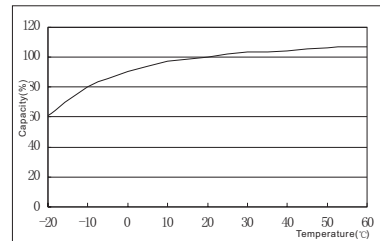
Constant Power Discharge Data (Watts per cell at 20°C / 68°F)

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	2228	1885	1565	1363	1166	1038	929	841	769	719	661	628	485	397	334	286	226	190	166	148	137	122	112	94.5	49.6
1.65V	2046	1712	1434	1257	1083	964	867	792	731	683	639	607	466	383	325	279	221	187	162	146	135	121	110	93.3	49.0
1.70V	1806	1568	1333	1176	1015	900	821	751	695	646	610	589	454	373	317	273	217	184	160	144	134	119	109	92.3	48.3
1.75V	1618	1450	1243	1093	943	844	766	706	661	617	582	562	441	363	309	267	213	181	158	143	132	117	107	91.4	47.6
1.80V	1487	1331	1139	1007	878	791	728	667	630	595	559	536	428	354	302	262	209	178	156	140	130	116	105	90.4	46.8

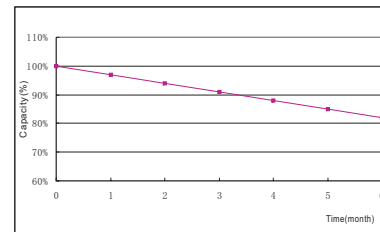
Constant Current Discharge Curve



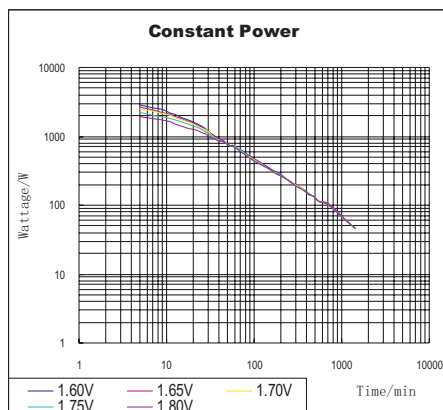
Capacity Vs Temperature



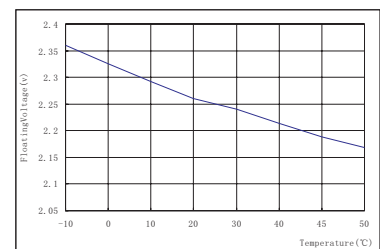
Self Discharge



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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