

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

AGM TECHNOLOGY
ABT Enduro EHP Series

EHP2-1500

2V 1500Ah(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	318mm	12.52inch
Width	341mm	13.43inch
Height	341mm	13.43inch
Total Height	351mm	13.82inch
Approx. Weight	86.5kg	190.70lbs
Type of material for box and lids : ABS Standard (FV0 Optional)		

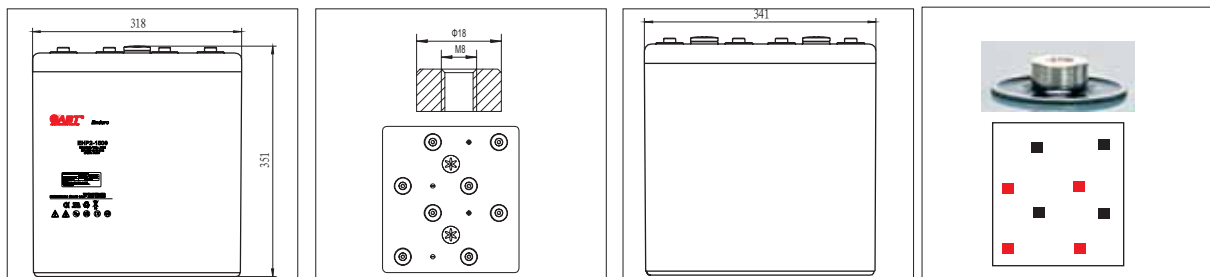
Product Characteristics

- 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 (150.0A, 1.80V) 1500Ah 8 hour rate (180.0A, 1.75V) 1440Ah 1 hour rate (825.0A, 1.75V) 825Ah
Intensity	
Max. Discharge Current	20°C (68°F) 7500A(5s)
Short circuit current	11500A
Maximum charge current	225A(15% of rated capacity)
Internal Resistance	Fully Charged battery 20°C (68°F) 0.18mOhms
Mass Energy(Wh/kg)	34.68
Volumic Energy(Wh/L)	81.13
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



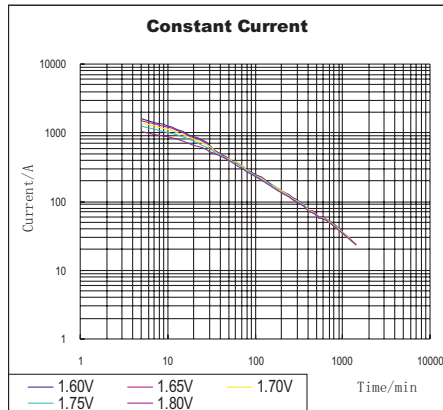
Constant Current Discharge Data (Amperes at 20°C/68°F)

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	18h
1.60V	3150	2433	2014	1733	1531	1376	1253	1153	1069	999	934	870	667	542	461	400	318	268	233	206	185	168	155	130	66.1
1.65V	2864	2228	1861	1615	1436	1298	1188	1098	1022	958	903	855	651	533	453	394	314	264	230	204	183	166	153	129	65.7
1.70V	2615	2045	1721	1505	1346	1223	1125	1044	976	917	871	830	635	523	447	388	310	261	228	203	182	165	152	128	65.3
1.75V	2287	1884	1621	1434	1293	1182	1092	1016	952	896	848	825	625	514	439	382	306	258	225	201	180	163	151	127	64.9
1.80V	2008	1744	1530	1368	1241	1138	1053	982	921	869	822	786	607	502	430	375	302	255	222	198	178	161	150	126	64.4

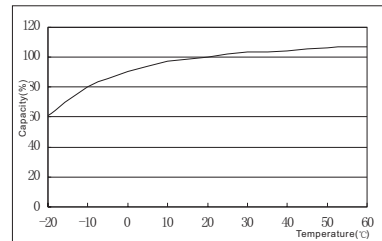
Constant Power Discharge Data (Watts per cell at 20°C/68°F)

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	4590	3945	3327	2945	2559	2317	2109	1943	1807	1718	1610	1530	1191	984	836	731	583	495	435	392	356	325	297	252	133
1.65V	4217	3582	3048	2716	2378	2153	1968	1830	1717	1634	1555	1478	1145	950	813	711	570	486	426	387	352	321	292	249	131
1.70V	3722	3282	2835	2540	2229	2009	1863	1735	1633	1546	1485	1435	1116	925	793	696	560	480	421	382	347	317	289	246	129
1.75V	3335	3035	2642	2361	2070	1884	1738	1630	1552	1476	1418	1368	1085	901	773	682	549	471	416	378	343	312	286	244	127
1.80V	3065	2785	2421	2175	1928	1766	1652	1540	1480	1423	1361	1306	1052	877	755	668	539	463	409	371	338	308	283	241	125

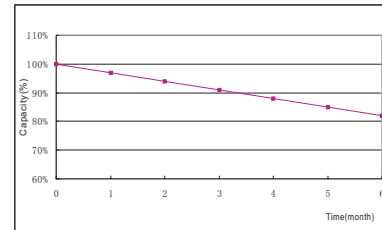
Constant Current Discharge Curve



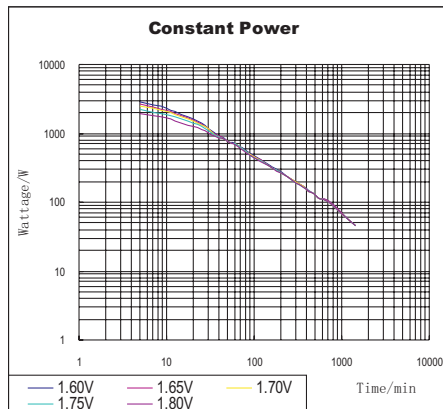
Capacity Vs Temperature



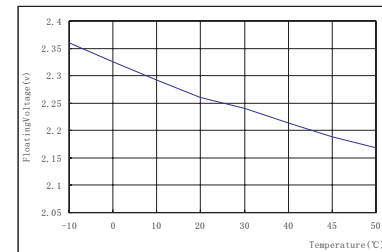
Self Discharge



Constant Power Discharge Curve



Floating Charge Voltage Vs Temperature



Contact information

Shandong Sacred Sun Power Sources Co., Ltd.
Add: 1, Shengyang Road, Qufu 273100 Shandong, China
Tel: +86-537-4438 666 extn 6028 Fax: +86-537-4411 936
Website: <http://www.abtbatt.com> Email: sales@abtbatt.com

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

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