

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

AGM TECHNOLOGY
ABT Enduro EHP Series

EHP2-3000

2V 3000Ah(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	629mm	24.76inch
Width	346mm	13.62inch
Height	341mm	13.43inch
Total Height	351mm	13.82inch
Approx. Weight	174.0kg	383.60lbs
Type of material for box and lids : ABS Standard (FV0 Optional)		

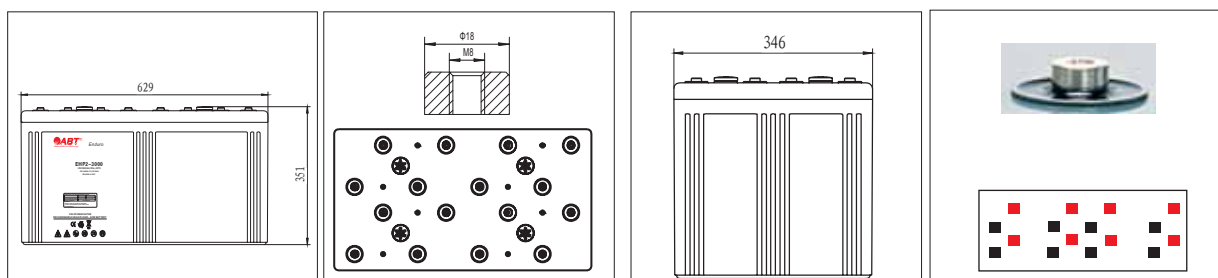
Product Characteristics

- 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 (300.0A, 1.80V) 3000Ah 8 hour rate (360.0A, 1.75V) 2880Ah 1 hour rate (1650.0A, 1.75V) 1650Ah
Intensity	
Max. Discharge Current	20°C (68°F) 13000A(5s)
Short circuit current	20000A
Maximum charge current	450A(15% of rated capacity)
Internal Resistance	Fully Charged battery 20°C (68°F) 0.09mOhms
Mass Energy(Wh/kg)	34.48
Volumic Energy(Wh/L)	80.85
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



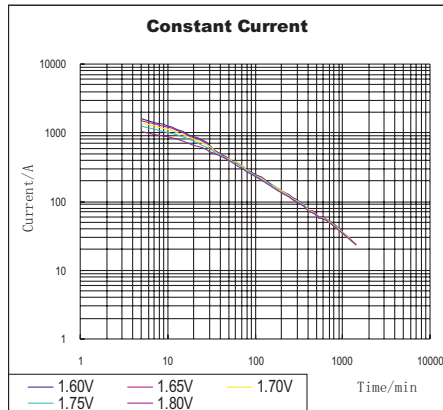
Constant Current Discharge Data (Amperes at 20°C / 68°F)

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	132
1.60V	6300	4867	4027	3467	3061	2752	2506	2306	2139	1997	1869	1740	1335	1084	923	799	637	535	466	412	370	336	309	259	132
1.65V	5727	4457	3722	3230	2871	2596	2376	2196	2045	1916	1805	1710	1303	1065	906	788	629	529	461	409	366	333	307	258	131
1.70V	5230	4090	3443	3009	2692	2447	2250	2088	1952	1834	1742	1660	1269	1046	894	777	621	523	456	405	363	329	304	256	131
1.75V	4575	3767	3242	2868	2587	2364	2183	2032	1903	1793	1696	1650	1249	1027	878	764	613	516	451	401	360	326	302	254	130
1.80V	4016	3487	3060	2735	2481	2276	2107	1965	1843	1737	1644	1571	1214	1003	860	750	604	510	445	396	356	323	300	252	129

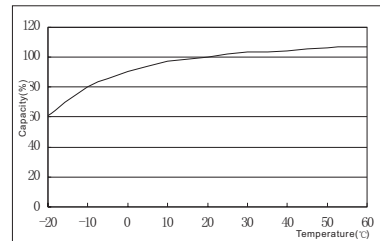
Constant Power Discharge Data (Watts per cell at 20°C / 68°F)

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	9180	7891	6653	5890	5119	4634	4217	3886	3613	3437	3220	3060	2382	1968	1671	1462	1167	990	870	785	712	651	595	504	265
1.65V	8433	7163	6096	5432	4755	4305	3936	3659	3435	3267	3110	2955	2291	1901	1626	1422	1140	972	853	775	703	641	584	498	262
1.70V	7443	6563	5670	5079	4458	4018	3726	3470	3265	3091	2970	2870	2232	1849	1585	1393	1119	959	841	764	695	634	579	493	258
1.75V	6669	6069	5285	4722	4140	3767	3476	3260	3104	2952	2836	2735	2169	1803	1545	1364	1099	941	831	756	686	624	571	488	254
1.80V	6129	5569	4842	4349	3856	3532	3304	3080	2960	2845	2721	2612	2103	1754	1510	1336	1079	925	818	743	677	616	565	483	250

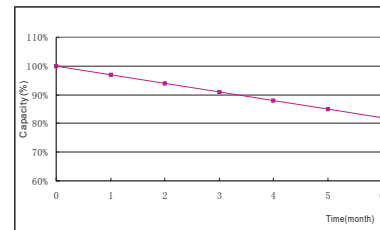
Constant Current Discharge Curve



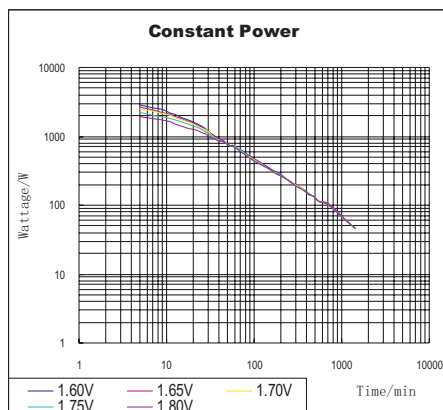
Capacity Vs Temperature



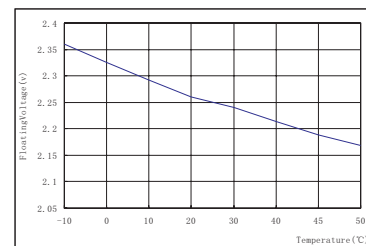
Self Discharge



Constant Power Discharge Curve



Floating Charge Voltage Vs Temperature



Contact information

Shandong Sacred Sun Power Sources Co., Ltd.
 Add: 1, Shenyang 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

Copyright SACREDSUN,
 All rights reserved.
 (Edition: May. 2011)