

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

AGM TECHNOLOGY  
ABT Enduro EHP Series

## EHP2-320

2V 320Ah(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	195mm	7.68inch
Width	206mm	8.11inch
Height	220mm	8.66inch
Total Height	240mm	9.45inch
Approx. Weight	22.8kg	50.27lbs
Type of material for box and lids : ABS Standard (FV0 Optional)		

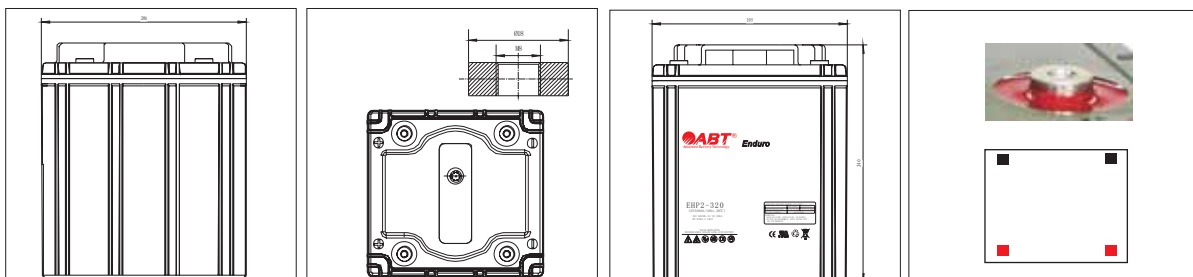
### Product Characteristics

- 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	3
Nominal Capacity 20°C (68°F)	10 hour rate (32.0A, 1.80V) 320Ah 8 hour rate (39.5A, 1.75V) 316Ah 1 hour rate (192.0A, 1.75V) 192Ah
Intensity	
Max. Discharge Current	20°C (68°F) 1700A(5s)
Short circuit current	4500A
Maximum charge current	48A(15% of rated capacity)
Internal Resistance	Fully Charged battery 20°C (68°F) 0.47mOhms
Mass Energy(Wh/kg)	28.07
Volumic Energy(Wh/L)	72.42
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



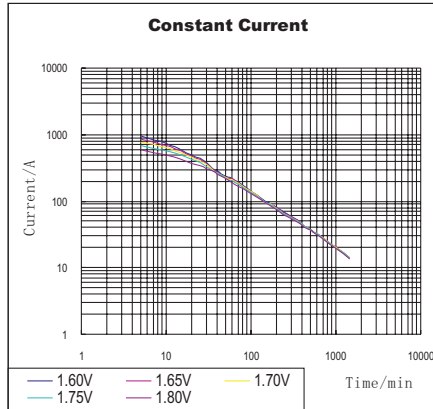
**Constant Current Discharge Data ( Amperes at 20°C / 68°F )**

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	874	664	541	459	398	352	315	285	260	239	219	204	155	125	105	89.5	70.7	58.8	50.7	44.4	40.7	36.1	33.1	27.8	14.1
1.65V	794	609	500	427	374	332	299	272	249	229	212	201	151	123	103	88.2	69.8	58.1	50.1	44.0	40.3	35.7	32.9	27.6	14.1
1.70V	725	558	463	398	350	313	283	258	237	219	204	195	148	120	102	87.0	68.9	57.4	49.7	43.7	39.9	35.3	32.6	27.4	14.0
1.75V	634	514	436	379	337	303	275	251	231	214	199	192	145	118	100	85.6	68.0	56.7	49.0	43.2	39.5	35.0	32.4	27.2	13.9
1.80V	557	476	411	362	323	291	265	243	224	208	193	184	141	116	98.1	84.0	67.0	56.0	48.4	42.7	39.1	34.7	32.0	26.9	13.8

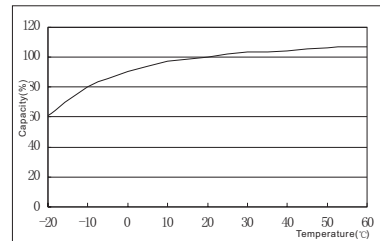
**Constant Power Discharge Data ( Watts per cell at 20°C / 68°F )**

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	1273	1077	894	779	666	593	531	481	439	411	378	359	277	227	191	164	129	109	94.6	84.6	78.2	69.9	63.7	54.0	28.4
1.65V	1169	978	819	718	619	551	495	453	418	390	365	347	266	219	186	159	126	107	92.8	83.4	77.3	68.9	62.6	53.3	28.0
1.70V	1032	896	762	672	580	514	469	429	397	369	348	337	260	213	181	156	124	105	91.5	82.3	76.3	68.1	62.0	52.8	27.6
1.75V	925	829	710	625	539	482	437	403	377	353	333	321	252	208	176	153	122	103	90.4	81.4	75.3	67.1	61.2	52.2	27.2
1.80V	850	760	651	575	502	452	416	381	360	340	319	306	245	202	172	150	120	102	89.0	80.0	74.3	66.1	60.3	51.7	26.7

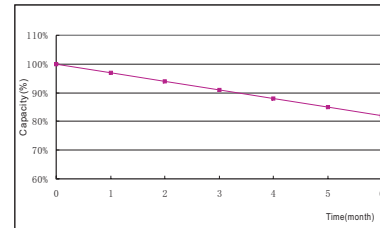
**Constant Current Discharge Curve**



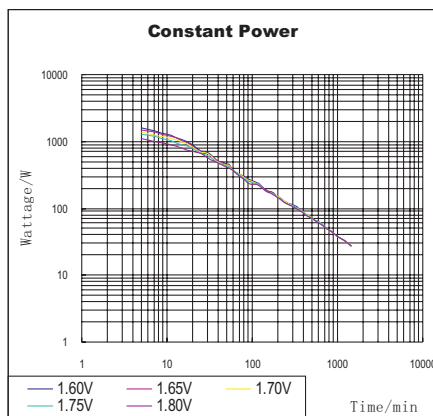
**Capacity Vs Temperature**



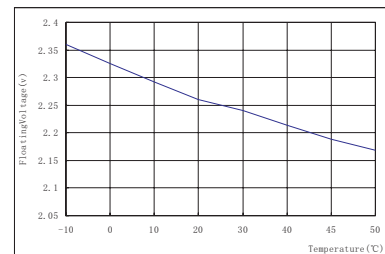
**Self Discharge**



**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> E-mail: [sales@abtbatt.com](mailto:sales@abtbatt.com)

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

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