

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

AGM TECHNOLOGY
ABT Enduro EHP Series

EHP2-800

2V 800Ah(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	350mm	13.78inch
Width	173mm	6.81inch
Height	338mm	13.31inch
Total Height	347mm	13.66inch
Approx. Weight	49.0kg	108.03lbs
Type of material for box and lids : ABS Standard (FV0 Optional)		

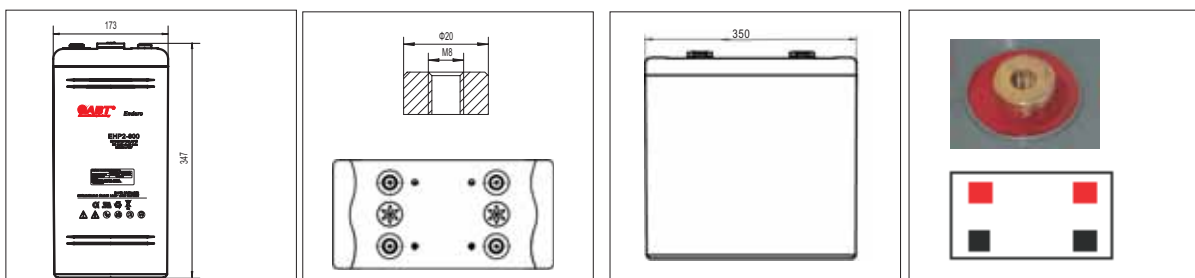
Product Characteristics

- 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 (80.0A, 1.80V) 800Ah 8 hour rate (95.9A, 1.75V) 767.2Ah 1 hour rate (440.0A, 1.75V) 440Ah
Intensity	
Max. Discharge Current	20°C (68°F) 4000A(5s)
Short circuit current	7200A
Maximum charge current	120A(15% of rated capacity)
Internal Resistance	Fully Charged battery 20°C (68°F) 0.19mOhms
Mass Energy(Wh/kg)	32.65
Volumic Energy(Wh/L)	78.18
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



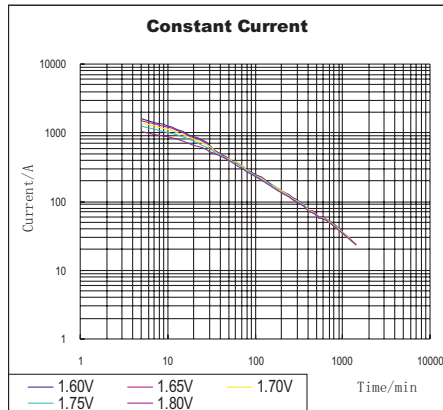
Constant Current Discharge Data (Amperes at 20°C/68°F)

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	18h
1.60V	1680	1298	1074	924	816	734	668	615	570	533	498	464	356	289	246	213	170	143	124	110	98.7	89.6	82.4	69.2	35.3
1.65V	1527	1189	993	861	766	692	634	586	545	511	481	456	347	284	242	210	168	141	123	109	97.7	88.7	81.7	68.7	35.1
1.70V	1395	1091	918	802	718	653	600	557	520	489	465	443	339	279	238	207	166	139	122	108	96.9	87.8	81.1	68.2	34.8
1.75V	1220	1005	864	765	690	630	582	542	508	478	452	440	333	274	234	204	163	138	120	107	95.9	87.0	80.5	67.6	34.6
1.80V	1071	930	816	729	662	607	562	524	491	463	438	419	324	268	229	200	161	136	119	106	94.9	86.1	80.0	67.1	34.4

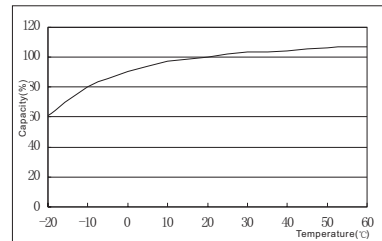
Constant Power Discharge Data (Watts per cell at 20°C/68°F)

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	2448	2104	1774	1571	1365	1236	1125	1036	964	916	859	816	635	525	446	390	311	264	232	209	190	174	159	134	70.8
1.65V	2249	1910	1626	1448	1268	1148	1050	976	916	871	829	788	611	507	434	379	304	259	227	207	188	171	156	133	69.9
1.70V	1985	1750	1512	1354	1189	1071	994	925	871	824	792	765	595	493	423	371	298	256	224	204	185	169	154	131	68.9
1.75V	1778	1618	1409	1259	1104	1005	927	869	828	787	756	729	578	481	412	364	293	251	222	202	183	166	152	130	67.8
1.80V	1634	1485	1291	1160	1028	942	881	821	789	759	726	697	561	468	403	356	288	247	218	198	180	164	151	129	66.7

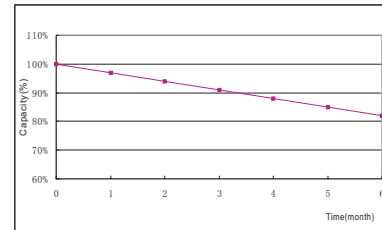
Constant Current Discharge Curve



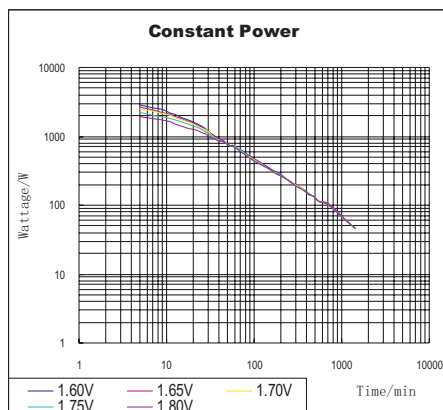
Capacity Vs Temperature



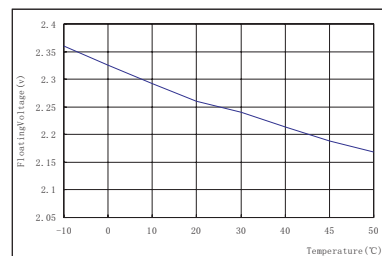
Self Discharge



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> Email: sales@abtbatt.com

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

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