

AGM TECHNOLOGY
ABT Enduro EHP Series

EHP2-600

2V 600Ah(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	252mm	9.92inch
Width	175mm	6.89inch
Height	348.5mm	13.72inch
Total Height	357.5mm	14.07inch
Approx. Weight	36.0kg	79.37lbs
Type of material for box and lids : ABS Standard (FV0 Optional)		

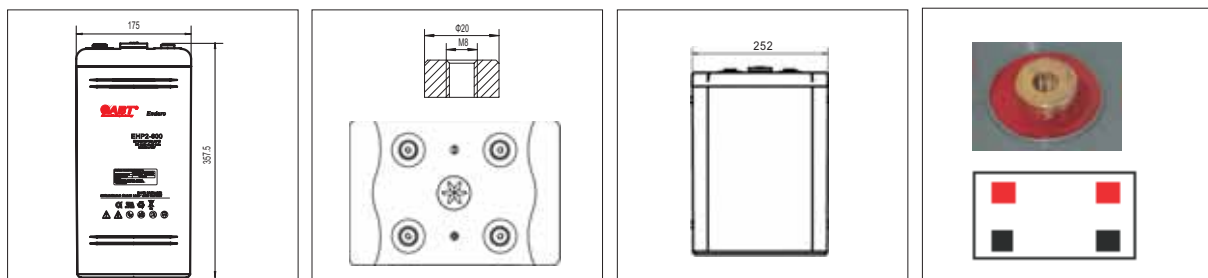
Product Characteristics

- 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 (60.0A, 1.80V) 600Ah 8 hour rate (71.9A, 1.75V) 575.2Ah 1 hour rate (330.0A, 1.75V) 330Ah
Intensity	
Max. Discharge Current	20°C (68°F)3000A(5s)
Short circuit current	6000A
Maximum charge current	90A(15% of rated capacity)
Internal Resistance	Fully Charged battery 20°C (68°F) 0.36mOhms
Mass Energy(Wh/kg)	33.33
Volumic Energy(Wh/L)	78.08
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



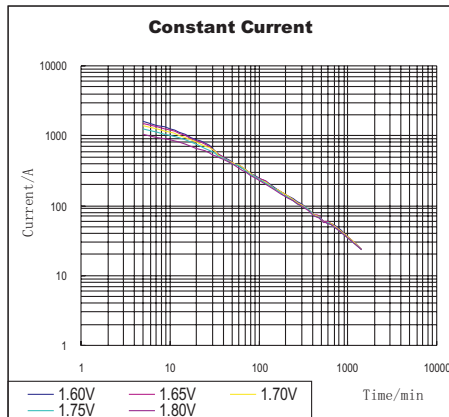
Constant Current Discharge Data (Amperes at 20°C / 68°F)

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	1260	973	805	693	612	550	501	461	428	399	374	348	267	217	185	160	127	107	93.1	82.4	74.0	67.2	61.8	51.9	26.5
1.65V	1145	891	744	646	574	519	475	439	409	383	361	342	261	213	181	158	126	106	92.2	81.7	73.3	66.5	61.3	51.5	26.3
1.70V	1046	818	689	602	538	489	450	418	390	367	348	332	254	209	179	155	124	105	91.3	81.0	72.6	65.8	60.8	51.1	26.1
1.75V	915	753	648	574	517	473	437	406	381	359	339	330	250	205	176	153	123	103	90.1	80.3	71.9	65.2	60.4	50.7	26.0
1.80V	803	697	612	547	496	455	421	393	369	347	329	314	243	201	172	150	121	102	89.0	79.3	71.1	64.6	60.0	50.3	25.8

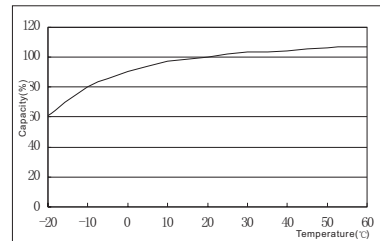
Constant Power Discharge Data (Watts per cell at 20°C / 68°F)

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	1836	1578	1331	1178	1024	927	843	777	723	687	644	612	476	394	334	292	233	198	174	157	142	127	117	99.8	51.9
1.65V	1687	1433	1219	1086	951	861	787	732	687	653	622	591	458	380	325	284	228	194	171	155	141	126	116	99.2	51.6
1.70V	1489	1313	1134	1016	892	804	745	694	653	618	594	574	446	370	317	279	224	192	168	153	139	125	115	98.5	51.2
1.75V	1334	1214	1057	944	828	753	695	652	621	590	567	547	434	361	309	273	220	188	166	151	137	124	114	97.5	50.8
1.80V	1226	1114	968	870	771	706	661	616	592	569	544	522	421	351	302	267	216	185	164	149	135	123	113	96.8	50.3

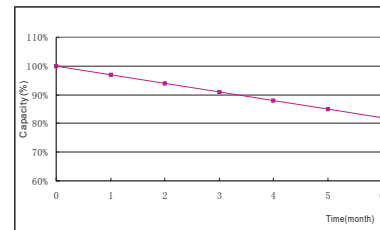
Constant Current Discharge Curve



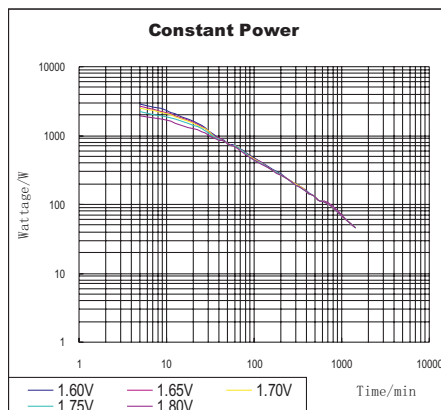
Capacity Vs Temperature



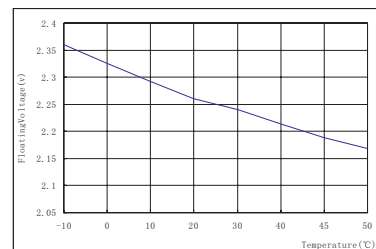
Self Discharge



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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