

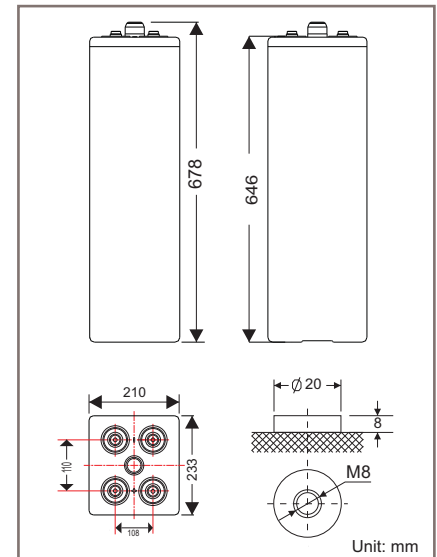
Specifications

Nominal Voltage	2V	
Number of cell	1	
Nominal Capacity	1000Ah@ 10hr-rate (100.0A to 1.80V/cell @25°C)	
Dimensions	Length	233±1mm (9.17inches)
	Width	233±1mm (8.26 inches)
	Height	646±1mm (25.47 inches)
	Total Height	678±1mm (26.69 inches)
Weight	Approx. 78.0Kg	
Terminal	M8, Φ=20	
Container Material	A.B.S. (UL94-HB), Flammability resistance of UL94-V0 can be available upon request.	
Rated Capacity	1010Ah	10hr-rate (101A to 1.80V/cell @25°C)
	890Ah	5hr-rate (178A to 1.70V/cell @25°C)
	600Ah	1hr-rate (600A to 1.60V/cell @25°C)
Max. Discharge Current	5000A(5sec)	
Max. Charging Current	250A	
Internal Resistance	Approx.0.38 mΩ(Fully charged)	
Operating Temp. Range	Maximum	: -40 °C~55 °C
	Recommended	: -15 °C~50 °C
	Storage	: -20 °C~40 °C
Normal Operating Tem. Range	25± 5°C	
Cycle Use	Charging Current:	≤250.0A
	Voltage:	2.35V~2.40V
	Temperature compensation:	-5mV/°C
Standby Use	Charging Current:	No limit
	Voltage:	2.23V
	Temperature compensation:	-3mV/°C
Self-Discharge	HAZAN OPzV BATTERY SERIES can be stored for more than 12 months at 25C.°and self-discharge ratio is less than 2% of capacity declined per month at 25C. Please charge batteries before using.	
	Design Life	20 years (floating charge)



Main Advantages

- >> adopt tubular plate with GEL technology
- >> longest lifespan under deep discharge
- >> Strong temperature resistance performance
- >> Better charge reception capability
- >> 20 years design life



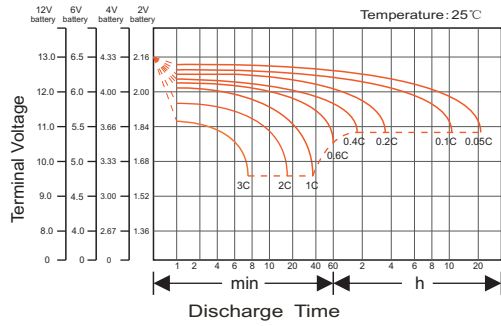
Constant Current Discharge Characteristics: A (25°C)

F. V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V/cell	1050	825	600	375	270	215	183	161	130	106
1.65V/cell	990	785	565	365	265	210	181	159	129	106
1.70V/cell	935	750	555	355	260	209	178	156	127	105
1.75V/cell	875	710	520	345	255	205	175	153	125	104
1.80V/cell	815	665	495	335	250	200	171	149	122	101
1.85V/cell	750	605	465	315	240	195	166	144	118	99

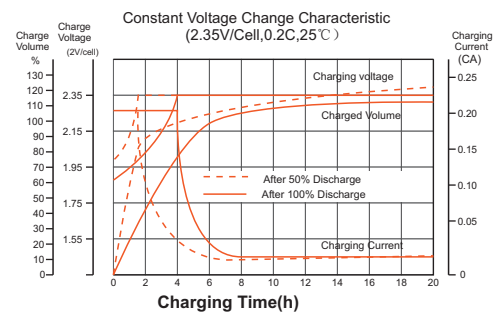
Constant Current Discharge Characteristics: W (25°C)

F. V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V/cell	1810	1450	1095	700	510	408	347	306	248	203
1.65V/cell	1730	1375	1030	685	503	400	344	303	246	203
1.70V/cell	1635	1320	1015	670	495	399	340	299	244	202
1.75V/cell	1545	1265	970	655	488	393	336	294	240	200
1.80V/cell	1460	1215	930	640	480	385	329	287	235	195
1.85V/cell	1355	1120	885	605	465	379	322	281	230	194

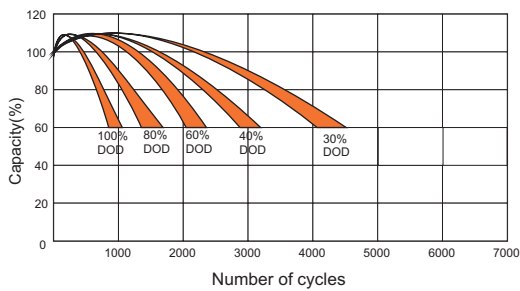
Discharge Characteristics Curve



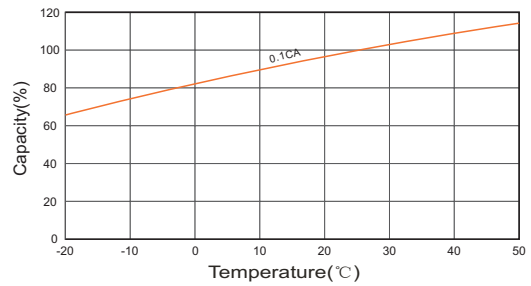
Charging Characteristics Curve



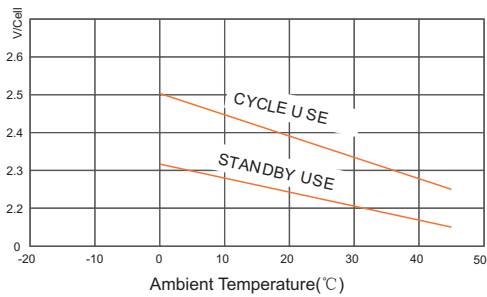
Cycle life in relation to depth of Discharge



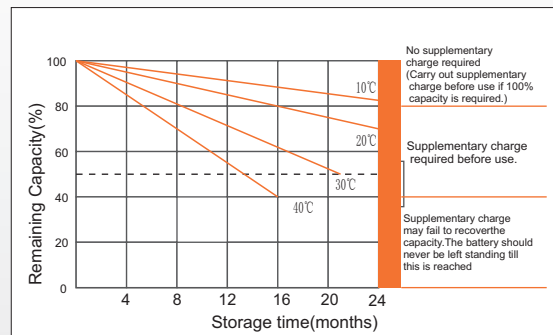
Temperature effects on Capacity



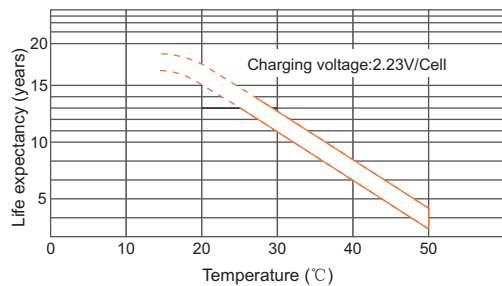
Relationship between charging voltage and temperature



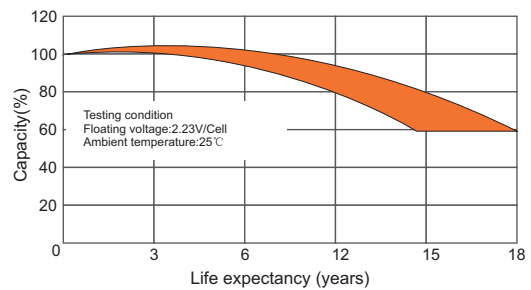
Self-discharge Characteristics



Temperature effects on Float life



Life Characteristics of Standby use



Contact us:

Email: sales@hazanbattery.com

Tel: +86-551-82627777

Fax: +86-551-82362789

Add: West Yufen Road, Huashan Machine Industry Park, Chaohu Economic Development Zone, Hefei City, Anhui Province, China