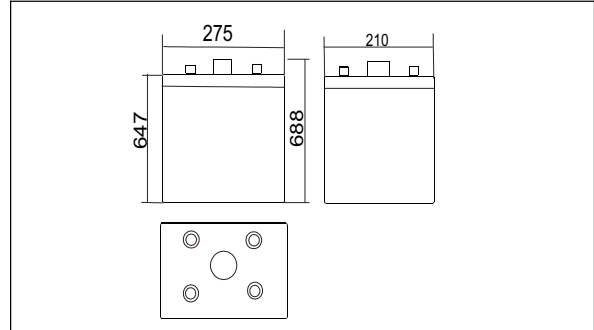




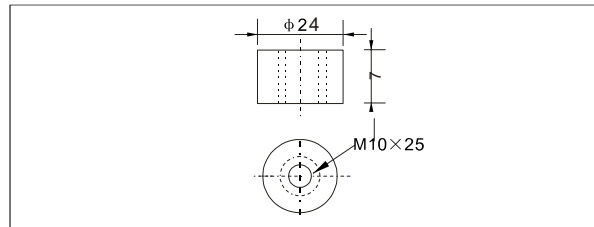
12OPzV1200(2V1200AH)



Outer dimensions (mm)



Terminal Type (mm)



Features

- Excellent high temperature performance;
- Excellent cycling performance;
- High strength ABS material;
- Plates: large capacity and thick plate structure design;
- Separator: glass fiber with high adsorption and high stability;

Applications

- High temperature environment (35-70°C) ;
- Telecom & UPS;
- Solar and energy systems.

International standards

- GB/T 22473 - 2008;
- JIS C8704-1 : 2006 ;
- IEC 60896-21/22: 2004 ;
- Passed ISO9001, ISO14001,
- OHSAS18001, UL, CE, CGC.

Specifications

Nominal Voltage		2V
Rated capacity (10 hour rate)		1200Ah
Dimensions	Total Height	688mm (27.1 inches)
	Height	647mm (25.5 inches)
	Length	275mm (10.8 inches)
	Width	210mm (8.27 inches)
Weight approx		92 kg (202 lbs)

Characteristics

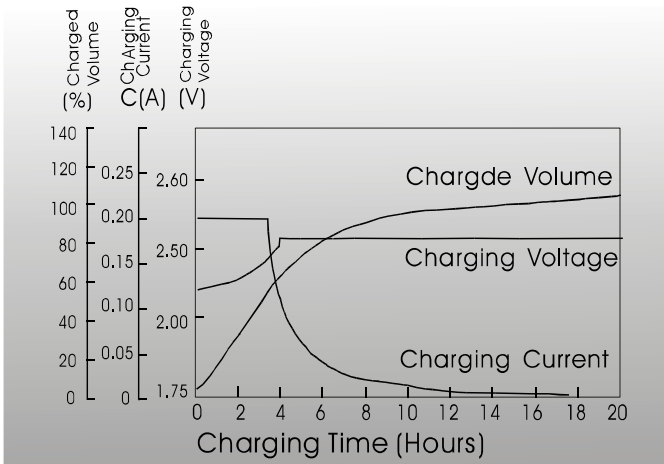
Capacity 25°C (77°F)	10 hour rate (120 A) 5 hour rate (218A) 1 hour rate (630A)	1200AH 1090AH 630AH
Internal Resistance	Full charged Battery at 25°C (77°F)	0.40mΩ
Capacity affected by Temperature (10hour rate)	40°C (104°F) 25°C (77°F) 0°C (32°F) -15°C (5°F)	102% 100% 85% 65%
Self-Discharge at 25°C (77°F)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Terminal quantity	4	
Charge (constant Voltage)	Initial Charging Current less than 300 A Voltage 2.25-2.40V	
Design Life	20 Year	

Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (72°F)

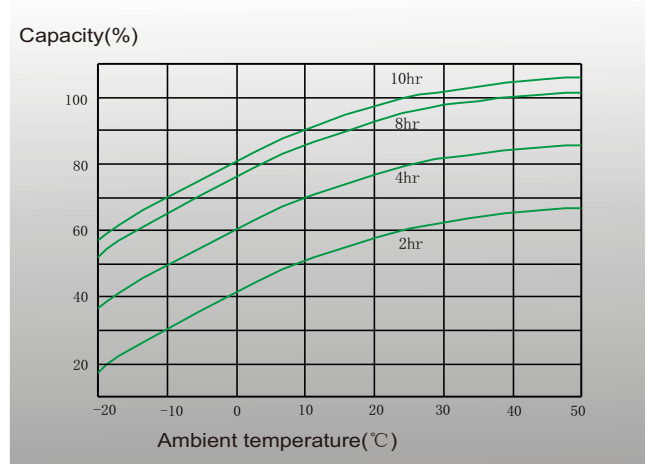
Time		30min	1hr	2hr	3hr	5hr	6hr	8hr	10hr	20hr	24hr	48hr	100hr
1.65V	A	1044.0	690.0	452.0	354.0	244.0	197.4	160.0	140.0	72.2	59.8	32.0	15.8
	W	2190	1410	1010	708	458	438	362	270	136	122	81	42
1.70V	A	1014.0	660.0	426.0	334.0	230.0	186.6	153.4	132.0	70.6	59.6	31.8	15.7
	W	2058	1368	990	684	450	424	348	262	135	121	81	42
1.75V	A	960.0	630.0	402.0	318.0	218.0	177.4	146.6	126.0	68.4	59.4	31.4	15.6
	W	1882	1332	964	662	444	412	336	252	133	120	81	42
1.80V	A	924.0	600.0	380.0	300.0	204.0	169.4	141.4	120.0	64.8	59.2	31.2	15.5
	W	1674	1248	942	636	432	396	324	246	132	119	80	41
1.85V	A	870.0	570.0	362.0	282.0	196.0	161.4	133.2	113.4	61.2	56.4	31.0	15.5
	W	1452	1218	894	604	414	378	310	234	125	113	80	41



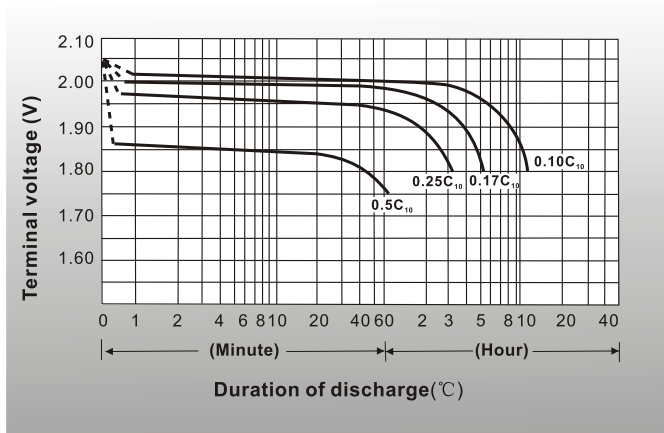
● Charging characteristics(25°C)



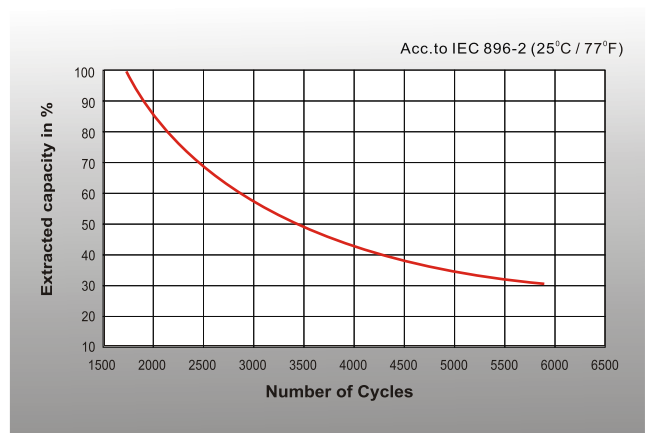
● Curves of discharge capacity and ambient temperature



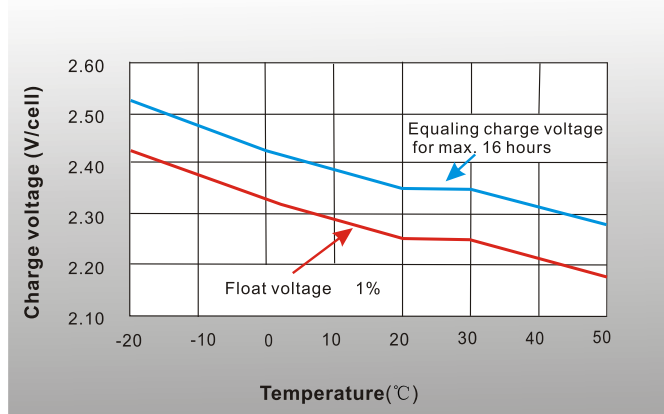
● Discharge characteristics 77° F(25°C)



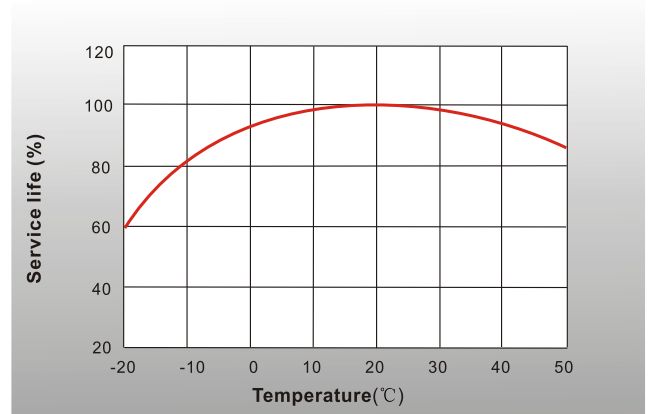
● Cycle life in relation to depth of discharge



● Charge voltage vs Ambient temperature curve



● Service life vs Ambient temperature



Shenzhen Sunnyway Battery Tech.Co.,Ltd.

Head Office: RM.A1302,NO.1 Building Tian'an Cyber Park, Longgang, Shenzhen, China
 Production Base: Nanyi Road,Dongying Economic Development Zone, Shandong, China.
 Tel:+86-755-84630145 Fax:+86-755-84630114
 Email:jerry@sunnyway-battery.com

