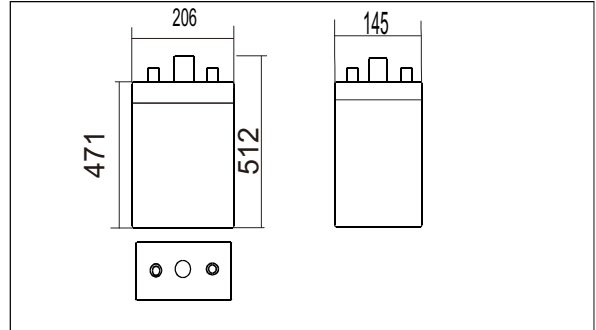




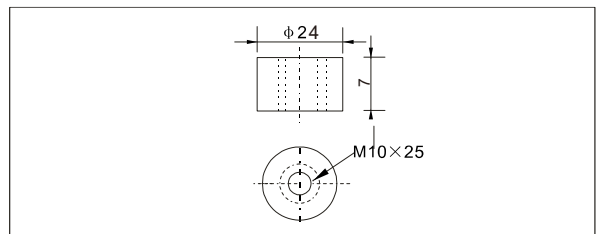
6OPzV420(2V420AH)



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)		420Ah
Dimensions	Total Height	512mm(20.2 inches)
	Height	471mm(18.5 inches)
	Length	145mm(5.7 inches)
	Width	206mm(8.11 inches)
Weight	approx	34 kg (74.8 lbs)

Characteristics

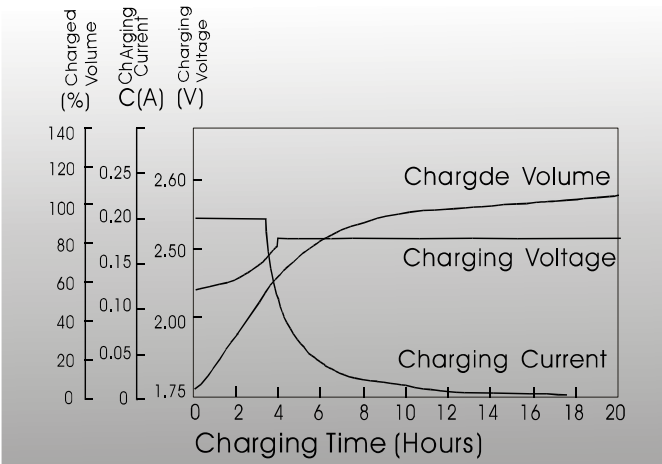
Capacity 25°C(77°F)	10 hour rate(42.0 A) 5 hour rate(76.3A) 1 hour rate(220.5A)	420AH 381.5AH 220.5AH
Internal Resistance	Full charged Battery at 25°C(77°F)	0.60 mΩ
Capacity affected by Temperature (10hour rate)	40°C(104°F) 25°C(77°F) 0°C(32°F) -15°C(5°F)	102% 100% 85% 65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Terminal quantity	2	
Charge (constant Voltage)	Initial Charging Current less than 105 A Voltage 2.25-2.40V	
Design Life	20 Year	

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

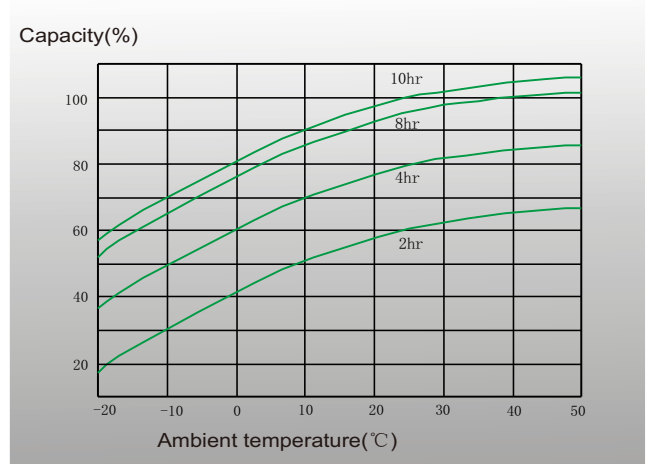
Time		30min	1hr	2hr	3hr	5hr	6hr	8hr	10hr	20hr	24hr	48hr	100hr
1.65V	A	365.4	241.5	158.2	123.9	85.4	69.1	56.0	49.0	25.3	20.9	11.2	5.5
	W	767	494	354	248	160	153	127	95	48	43	28	15
1.70V	A	354.9	231.0	149.1	116.9	80.5	65.3	53.7	46.2	24.7	20.9	11.1	5.5
	W	720	479	347	239	158	148	122	92	47	42	28	15
1.75V	A	336.0	220.5	140.7	111.3	76.3	62.1	51.3	44.1	23.9	20.8	11.0	5.5
	W	659	466	337	232	155	144	118	88	47	42	28	15
1.80V	A	323.4	210.0	133.0	105.0	71.4	59.3	49.5	42.0	22.7	20.7	10.9	5.4
	W	586	437	330	223	151	139	113	86	46	42	28	14
1.85V	A	304.5	199.5	126.7	98.7	68.6	56.5	46.6	39.7	21.4	19.7	10.9	5.4
	W	508	426	313	211	145	132	109	82	44	40	28	14



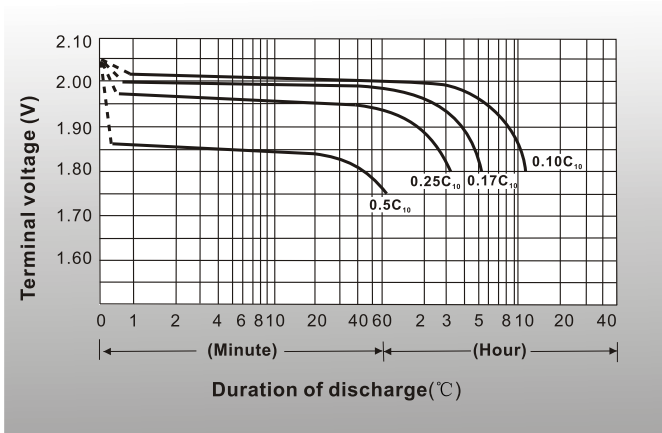
● Charging characteristics(25°C)



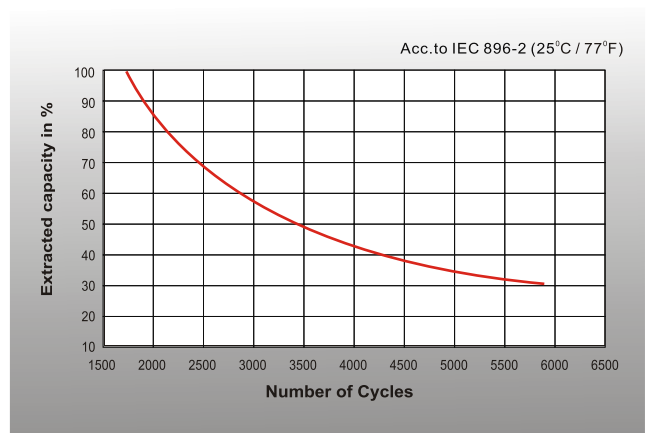
● Curves of discharge capacity and ambient temperature



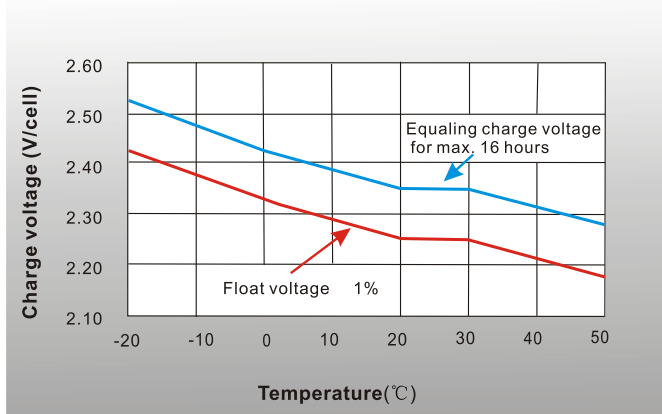
● Discharge characteristics 77° F(25°C)



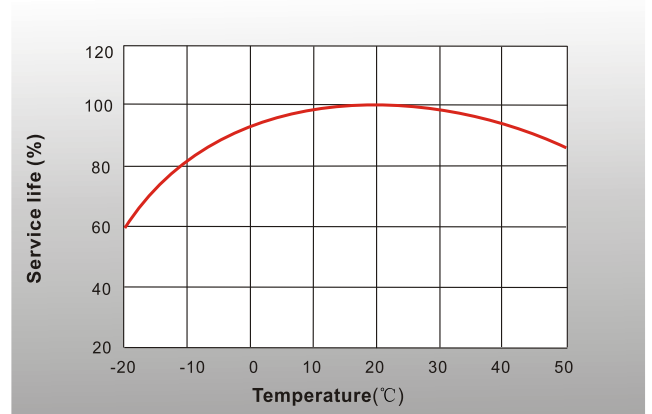
● Cycle life in relation to depth of discharge



● Charge voltage vs Ambient temperature curve



● Service life vs Ambient temperature



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