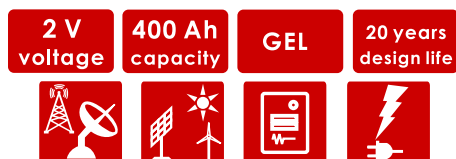


2V GFMJ SERIES VRLA BATTERY

By combining the newly developed nano gel electrolyte with up-to-date AGM structures, XUPAI created the innovative GFMJ range of batteries. It is very suitable for cyclic use under extreme operating conditions. The range offers 20 years design life with high reliability and stable performance. It is highly suited to telecom outdoor application, renewable energy system and other harsh environment applications.



SPECIFICATIONS

Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (25°C)	400 Ah @ C ₁₀ (to 1.80Vpc)
Dimensions	L166mm×W184.5mm×H375mm
Approx. Weight	26.0 kg (57.3 lbs)
Terminal Type	Female Copper Insert M8 (torque:12~14N.m)
Internal Resistance	Approx. 0.42mOhm (fully charged @ 25°C)
Max. Charge Current	100 A
Max. Discharge Current (5S)	1800 A
Short Circuit Current	5700 A
Self Discharge	Approx. 2.5% per month @ 20°C
Ambient Temperature	Discharge: -40~60°C Charge: -25~60°C Storage: -25~45°C
Float Charge Voltage	2.25 @25°C (-3mV / °C/ cell)
Equalize Charge Voltage	2.35 @25°C
Container Material	ABS(UL94-V0 optional)



ISO9001

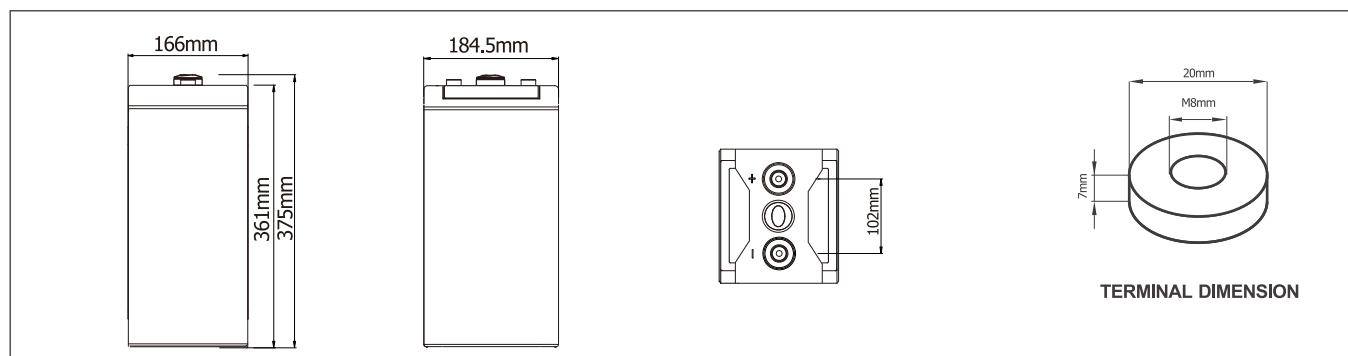
ISO14001

GB/T 28001-2001
/OHSAS 18001-2007

Complied standards

- IEC 60896-21/22
- GB/T19638
- IEC61427
- YD/T1360
- Eurobat guide, long life
- BS6290 part 4
- UL1989

DIMENSIONS

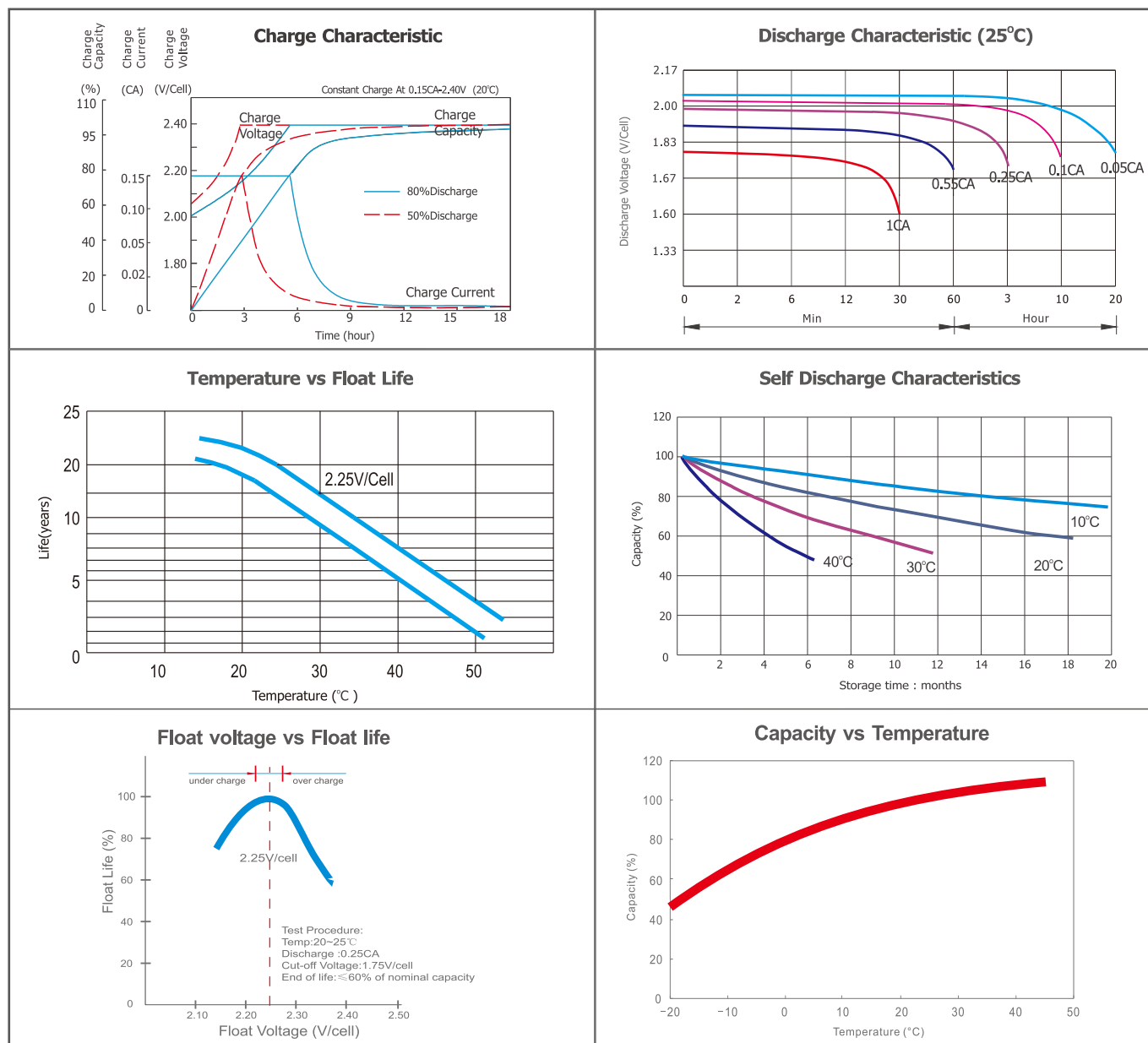


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)												
F.V/Time	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	549	502	376	308	251	152	113	91.0	76.6	52.7	43.4	22.8
1.65V	520	477	359	295	241	148	110	89.0	75.2	52.0	42.7	22.4
1.70V	493	451	337	280	230	144	107	87.2	74.2	51.1	42.1	22.1
1.75V	461	421	316	267	221	139	104	84.8	72.1	50.5	41.1	21.6
1.80V	432	392	296	250	207	133	101	81.6	70.4	49.0	40.0	21.0
1.85V	398	367	277	231	191	121	95.2	78.0	67.2	47.5	38.8	20.4

Constant Power Discharge Characteristics: W/cell (25°C)												
F.V/Time	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	952	881	689	565	461	280	209	167	142	99.1	82.0	43.0
1.65V	907	845	662	545	445	275	206	165	141	98.8	81.6	42.8
1.70V	864	802	615	515	425	266	199	164	140	98.2	81.2	42.6
1.75V	830	768	583	494	412	261	195	161	138	97.9	80.2	42.1
1.80V	801	737	561	474	394	253	192	157	136	96.0	78.8	41.4
1.85V	741	688	523	439	364	231	183	152	132	94.4	77.4	40.7

CHARACTERISTICS



FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (A)	$I < 0.05C$	$0.05C \leq I < 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$1C \leq I \leq 2C$
Final of Voltage	$\geq 1.90V_{pc}$	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.7V_{pc}$	$\geq 1.6V_{pc}$