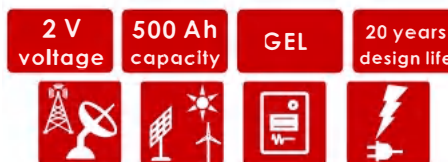


2V GFMJ SERIES VRLA BATTERY

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

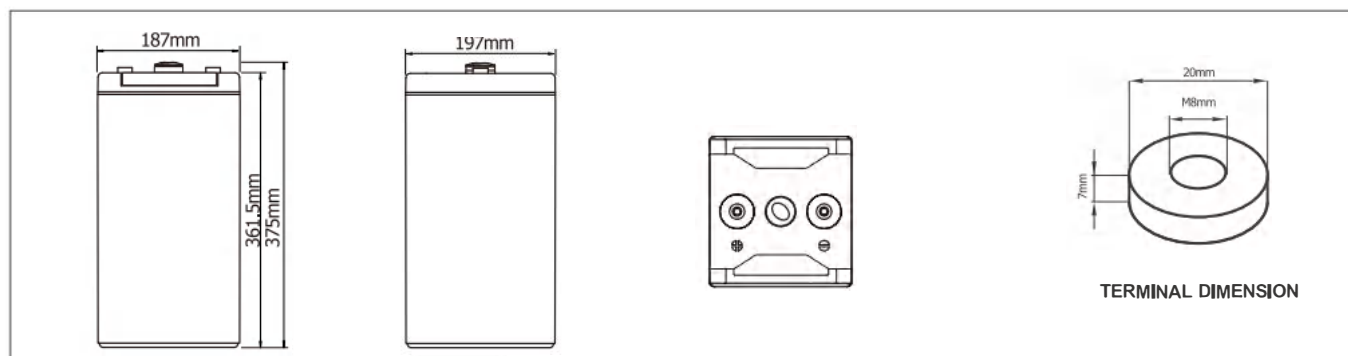
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (25°C)	500 Ah @ C ₁₀ (to 1.80Vpc)
Dimensions	L197mm×W187mm×H375mm
Approx. Weight	31.5 kg (69.5 lbs)
Terminal Type	Female Copper Insert M8 (torque:12~14N.m)
Internal Resistance	Approx. 0.39mOhm (fully charged @ 25°C)
Max. Charge Current	125 A
Max. Discharge Current (5S)	2000 A
Short Circuit Current	6000 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)



Complied standards

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

DIMENSIONS

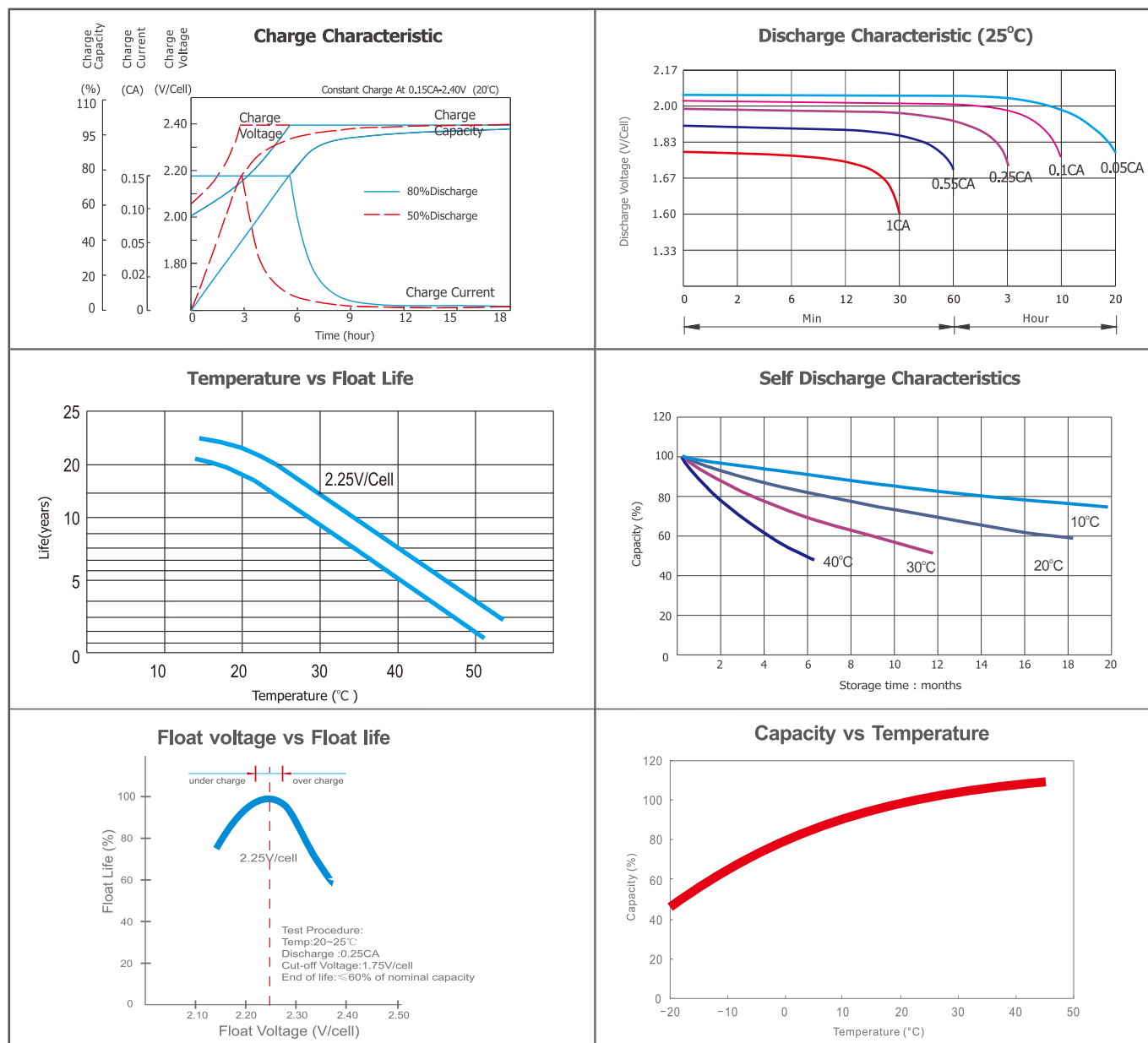


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)												
F.V/Time	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	675	617	461	385	315	190	141	114	95.8	65.9	54.2	28.5
1.65V	634	585	440	368	301	185	138	111	94.0	65.0	53.4	28.0
1.70V	596	546	413	350	288	180	134	109	92.7	63.9	52.6	27.6
1.75V	555	508	388	331	277	174	130	106	90.1	63.1	51.4	27.0
1.80V	515	469	363	311	259	166	126	102	88.0	61.3	50.0	26.3
1.85V	477	439	339	286	238	151	119	97.5	84.0	59.4	48.5	25.5

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	1161	1078	830	694	570	346	255	208	177	124	102	53.8
1.65V	1101	1024	802	672	552	342	253	206	176	124	102	53.5
1.70V	1053	980	756	643	530	333	249	204	175	123	102	53.3
1.75V	1003	930	714	614	514	326	244	201	172	122	100	52.6
1.80V	957	885	684	587	490	315	240	196	170	120	98.5	51.7
1.85V	907	832	641	543	452	291	231	191	165	118	96.8	50.8

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	$\geq 1.90V_{pc}$	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.7V_{pc}$	$\geq 1.6V_{pc}$