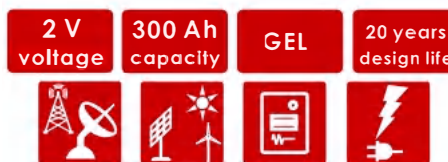


2V GFMJ SERIES VRLA BATTERY

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

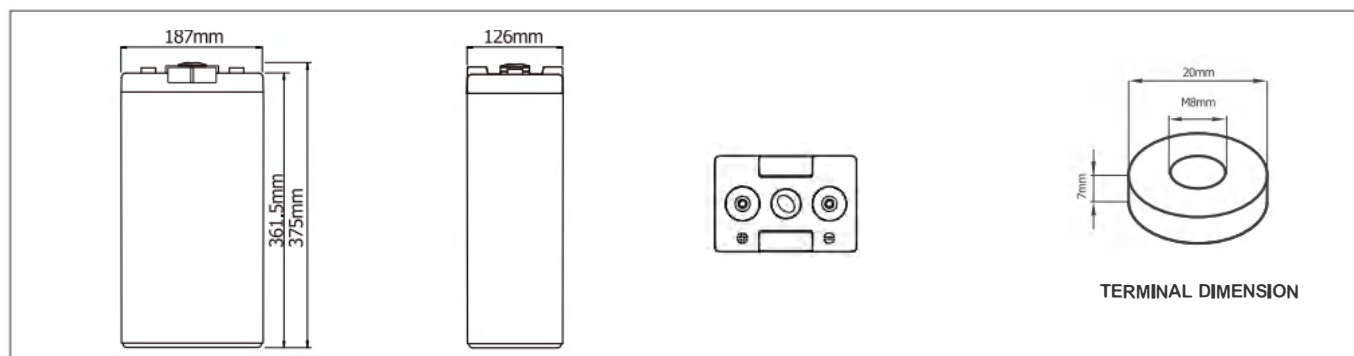
Nominal Voltage (V)	2
Designed Floating Life (20°C)	20 Years
Nominal Capacity (25°C)	300 Ah @ C ₁₀ (to 1.80Vpc)
Dimensions	L126mm×W187mm×H375mm
Approx. Weight	19.2 kg (41.88 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.47mOhm (fully charged @ 25°C)
Max. Charge Current	75 A
Max. Discharge Current (5S)	1500 A
Short Circuit Current	4200 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

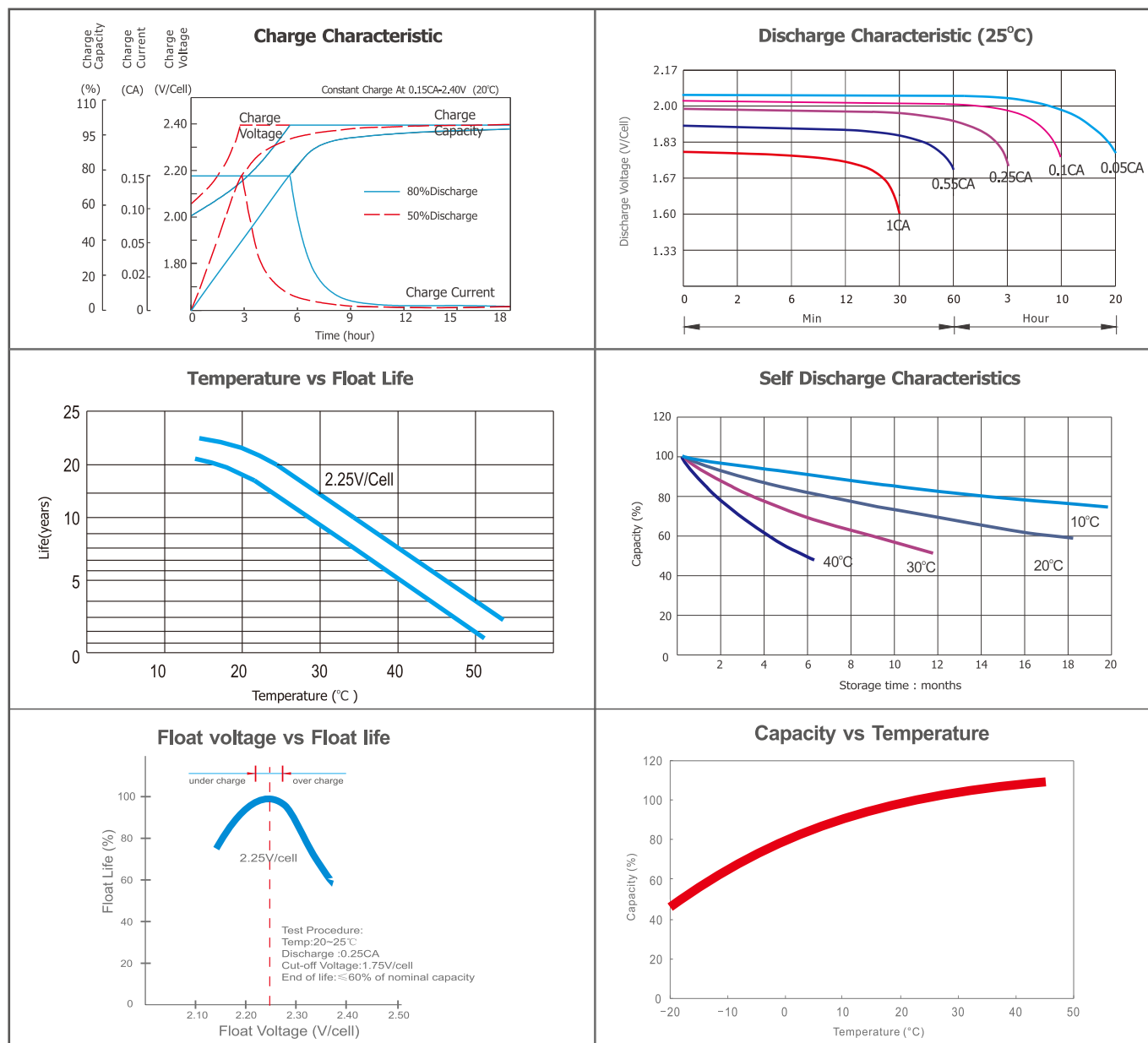


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)												
F.V/Time	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	446	394	276	217	178	112	84.6	68.3	57.5	39.5	32.5	17.1
1.65V	420	376	263	211	173	110	82.8	66.8	56.4	39.0	32.0	16.8
1.70V	390	348	250	203	168	106	80.4	65.4	55.6	38.3	31.6	16.6
1.75V	351	315	234	193	165	103	78.0	63.6	54.1	37.9	30.8	16.2
1.80V	309	277	211	179	155	97.5	75.6	61.2	52.8	36.8	30.0	15.8
1.85V	260	234	178	155	136	90.6	71.4	58.5	50.4	35.6	29.1	15.3

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	792	708	494	399	329	207	153	125	106	75.0	61.8	32.4
1.65V	747	674	479	387	319	205	152	124	105	74.1	61.2	32.1
1.70V	706	635	458	372	311	200	149	123	105	73.6	60.6	31.8
1.75V	655	588	438	361	307	196	146	121	103	73.4	60.1	31.6
1.80V	585	526	404	343	295	189	144	118	102	72.0	59.1	31.0
1.85V	500	450	343	300	264	176	139	114	99.1	70.8	58.1	30.5

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