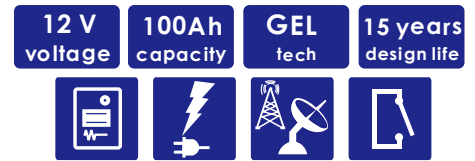


## FAB SERIES VRLA BATTERY

By combining the newly developed nano gel electrolyte with up-to-date AGM structures, we created the innovation FAB series of battery. The series features 15 years design life and front access connections for fast, easy installation and maintenance. This series battery is highly suited to telecom outdoor applications, renewable energy systems and other harsh environment applications.



### TECHNICAL SPECIFICATIONS

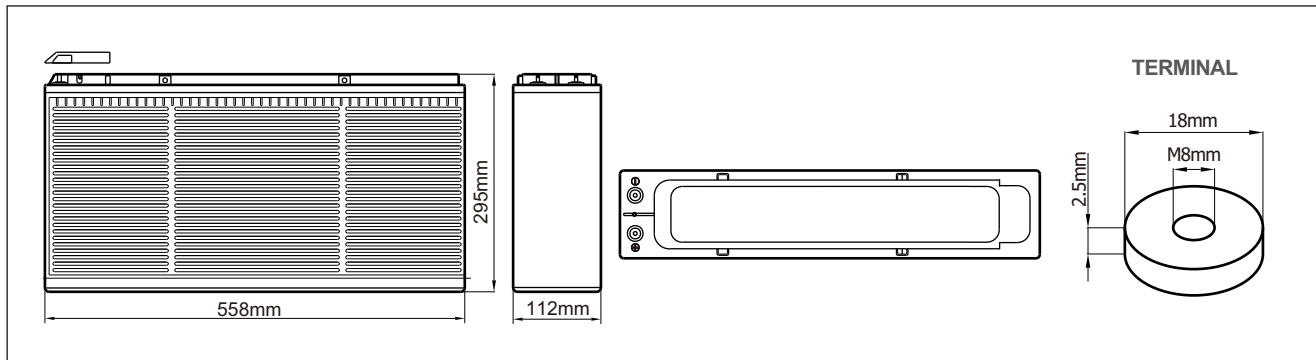
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	15 Years
Nominal Capacity (25°C)	100 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L558mm x W112mm x H295mm
Approx. Weight	40.5 kg
Terminal Type	Female Copper Insert M8 (torque:8~10N.m)
Internal Resistance	Approx. 0.0057 Ohm (fully charged @ 25°C)
Max. Charge Current	25A
Max. Discharge Current (5S)	900 A
Short Circuit Current	2000 A
Self Discharge	Approx. 2.5% per month @ 20°C
Ambient Temperature	Discharge: -25~60°C Charge: -25~60°C Storage: -25~45°C
Float Charge Voltage	13.5V @25°C (-3mV/ cell/ °C)
Equalize Charge Voltage	14.1V @25°C
Container Material	ABS (UL94-V0 optional)



### Complied standards

- IEC 60896-21/22
- GB/T19638
- YD/T799
- JIS C8704
- BS6290 part 4
- UL1989

### BATTERY DIMENSIONS

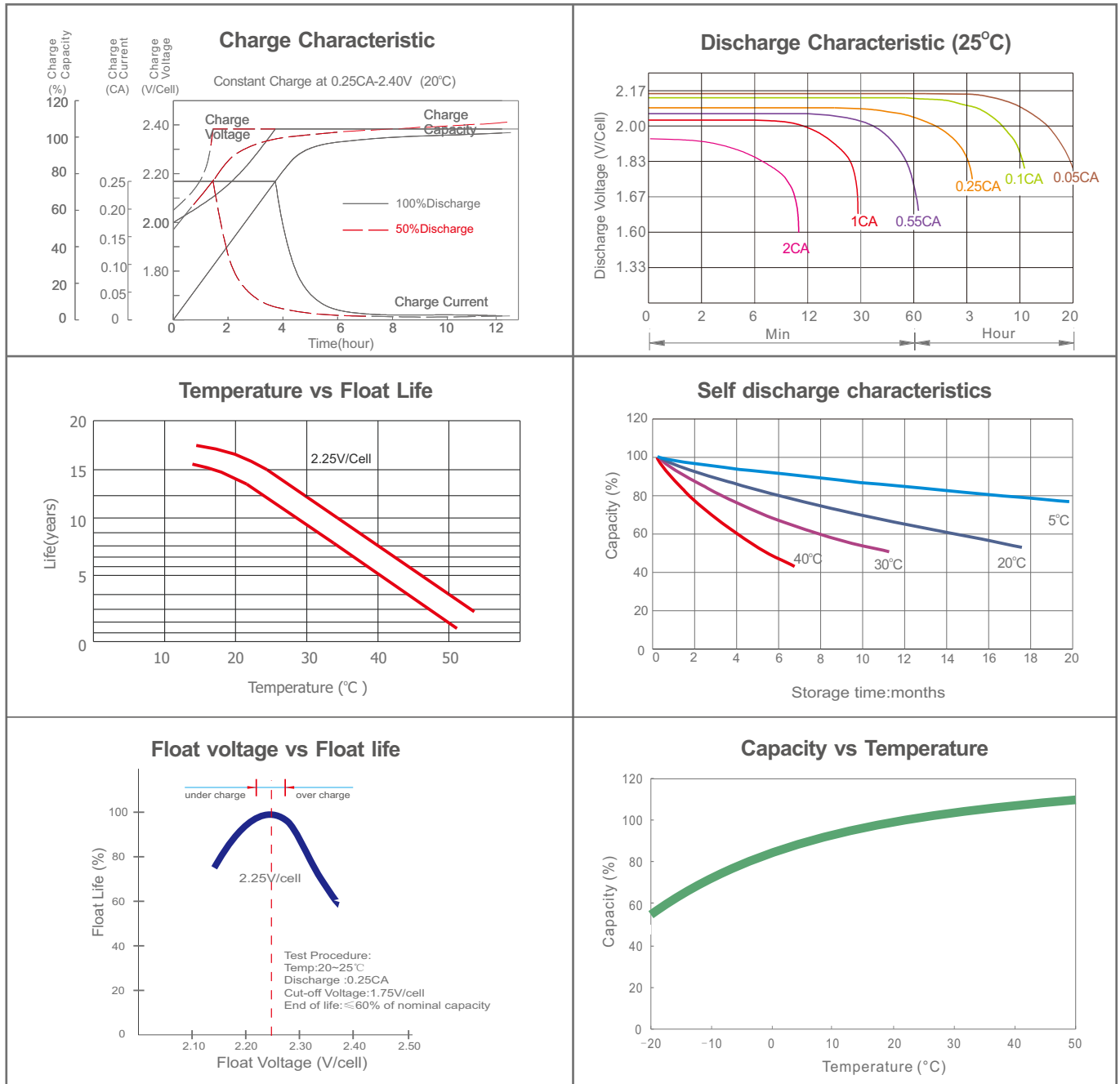


### BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)											
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	189	163	102	60.8	35.8	27.5	22.1	18.2	12.8	10.6	5.50
1.67V	174	153	97.8	59.2	35.2	27.1	21.6	18.0	12.6	10.5	5.45
1.70V	158	145	94.1	57.9	34.7	26.8	21.4	17.8	12.5	10.3	5.38
1.75V	147	134	90.8	56.7	34.1	26.4	21.1	17.5	12.3	10.2	5.33
1.80V	134	125	86.8	54.0	33.1	25.9	20.6	17.3	12.0	10.0	5.30
1.85V	121	114	81.9	52.4	31.8	24.7	20.0	16.5	11.6	9.65	5.00

Constant Power Discharge Characteristics: W/cell (25°C)											
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	340	297	189	113	67.2	51.8	41.8	34.6	24.6	20.5	10.9
1.67V	317	281	182	111	66.5	51.6	41.2	33.8	24.4	20.3	10.8
1.70V	291	268	176	109	66.1	51.3	41.1	34.4	24.2	20.2	10.7
1.75V	273	252	172	108	65.5	50.9	41.0	34.1	24.1	20.1	10.6
1.80V	251	237	165	104	64.2	50.4	40.4	34.0	23.8	19.9	10.5
1.85V	229	218	158	102	62.2	48.4	39.5	32.6	23.0	19.3	10.1

**CHARACTERISTICS**



**FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT**

Discharge Current I (A)	$I \leq 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$I \geq 1.0C$
Final of Voltage	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.70V_{pc}$	$\geq 1.60V_{pc}$

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