

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

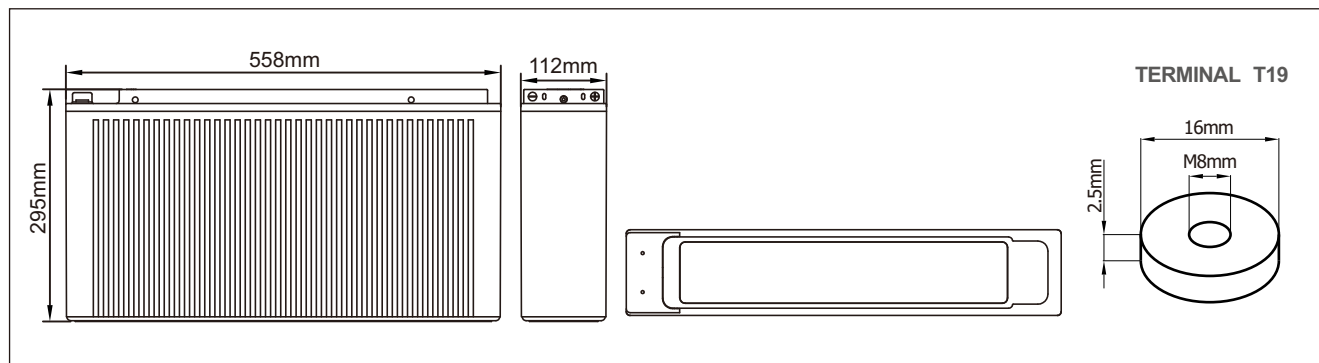
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	15 Years
Nominal Capacity (25°C)	125 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L558mm x W112mm x H295mm
Approx. Weight	44.8 kg
Terminal Type	Female Copper Insert M8 (torque:8~10N.m)
Internal Resistance	Approx. 5.5 mOhm (fully charged @ 25°C)
Max. Charge Current	31A
Max. Discharge Current (5S)	850 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

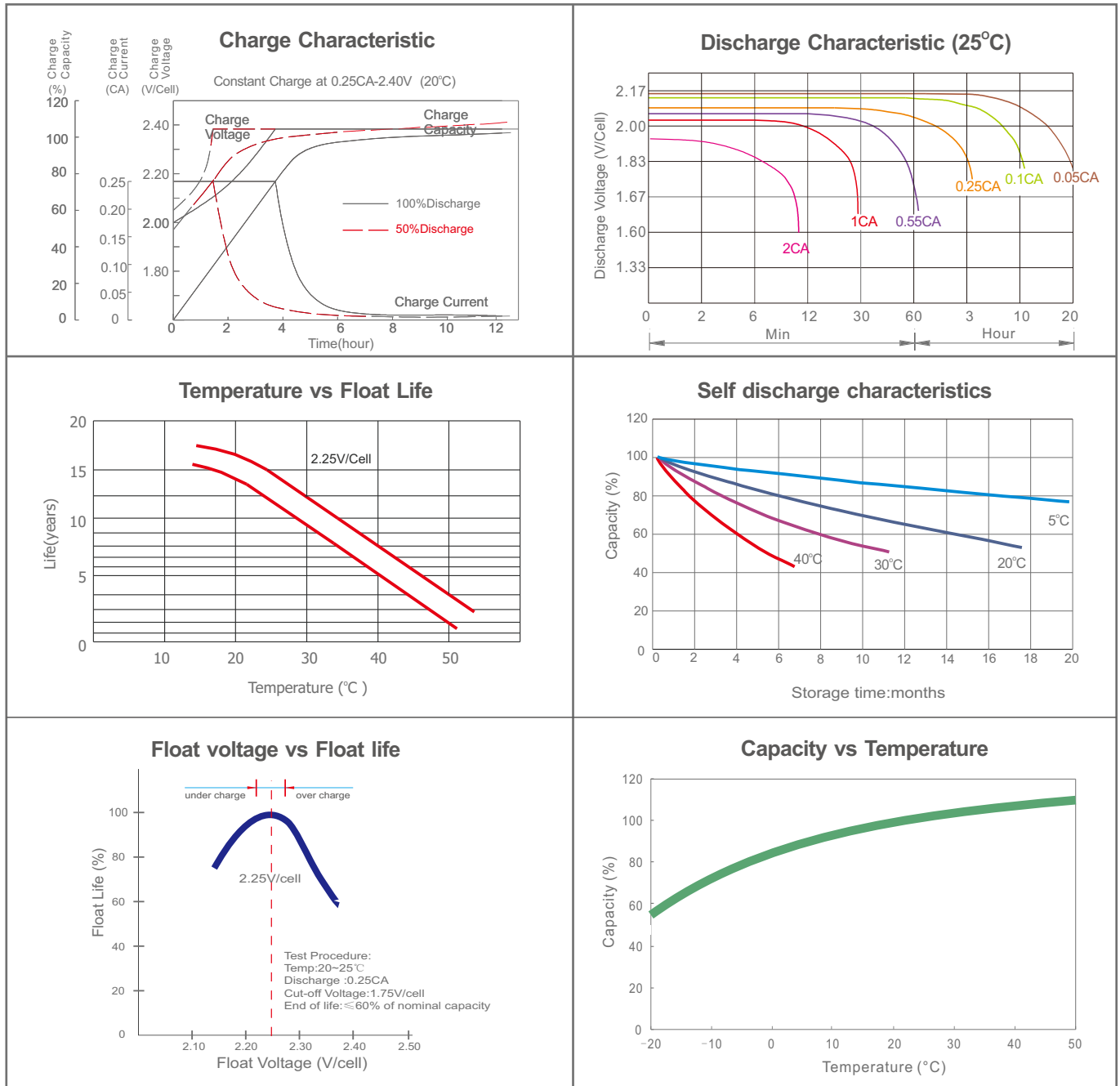


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)											
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	237	203	126	82.5	47.5	34.3	27.6	22.7	16.0	13.3	6.88
1.67V	218	191	122	80.6	46.6	33.9	27.0	22.4	15.8	13.1	6.81
1.70V	198	181	118	79.4	46.0	33.5	26.7	22.3	15.7	12.9	6.72
1.75V	184	168	114	77.5	45.2	33.0	26.4	21.9	15.3	12.8	6.66
1.80V	167	157	109	75.0	43.9	32.3	25.8	21.6	15.0	12.5	6.63
1.85V	151	143	102	72.8	42.2	30.8	25.0	20.9	14.5	12.1	6.25

Constant Power Discharge Characteristics: W/cell (25°C)											
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	425	371	233	154	89.1	64.8	52.3	43.2	30.7	25.6	13.7
1.67V	396	352	227	151	88.1	64.4	51.5	42.2	30.5	25.4	13.5
1.70V	364	335	220	150	87.6	64.1	51.4	42.9	30.3	25.3	13.4
1.75V	342	315	214	148	86.8	63.7	51.2	42.6	30.1	25.1	13.3
1.80V	314	296	207	144	85.0	62.8	50.5	42.4	29.7	24.8	13.2
1.85V	286	273	197	141	82.5	60.6	49.4	41.3	28.8	24.1	12.6

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	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.70V_{pc}$	$\geq 1.60V_{pc}$

Aeson Power

18/40 Ricketts Road, Mount Waverley

Tel: +61 3 9545 5993

Website: www.aesonpower.com.au

Email: info@aesonpower.com.au

