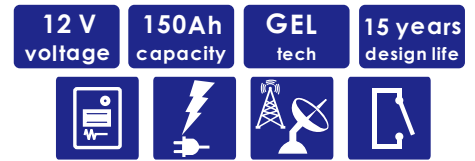


FAB SERIES VRLA BATTERY

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

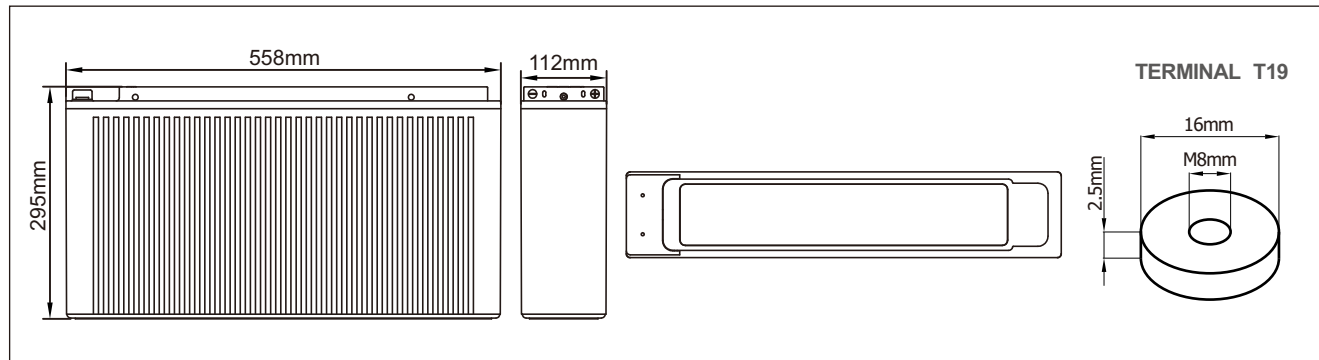
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	15 Years
Nominal Capacity (25°C)	150 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L558mm x W112mm x H295mm
Approx. Weight	48.5 kg
Terminal Type	Female Copper Insert M8 (torque:8~10N.m)
Internal Resistance	Approx. 0.005 Ohm (fully charged @ 25°C)
Max. Charge Current	37.5A
Max. Discharge Current (5S)	900 A
Short Circuit Current	2400 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

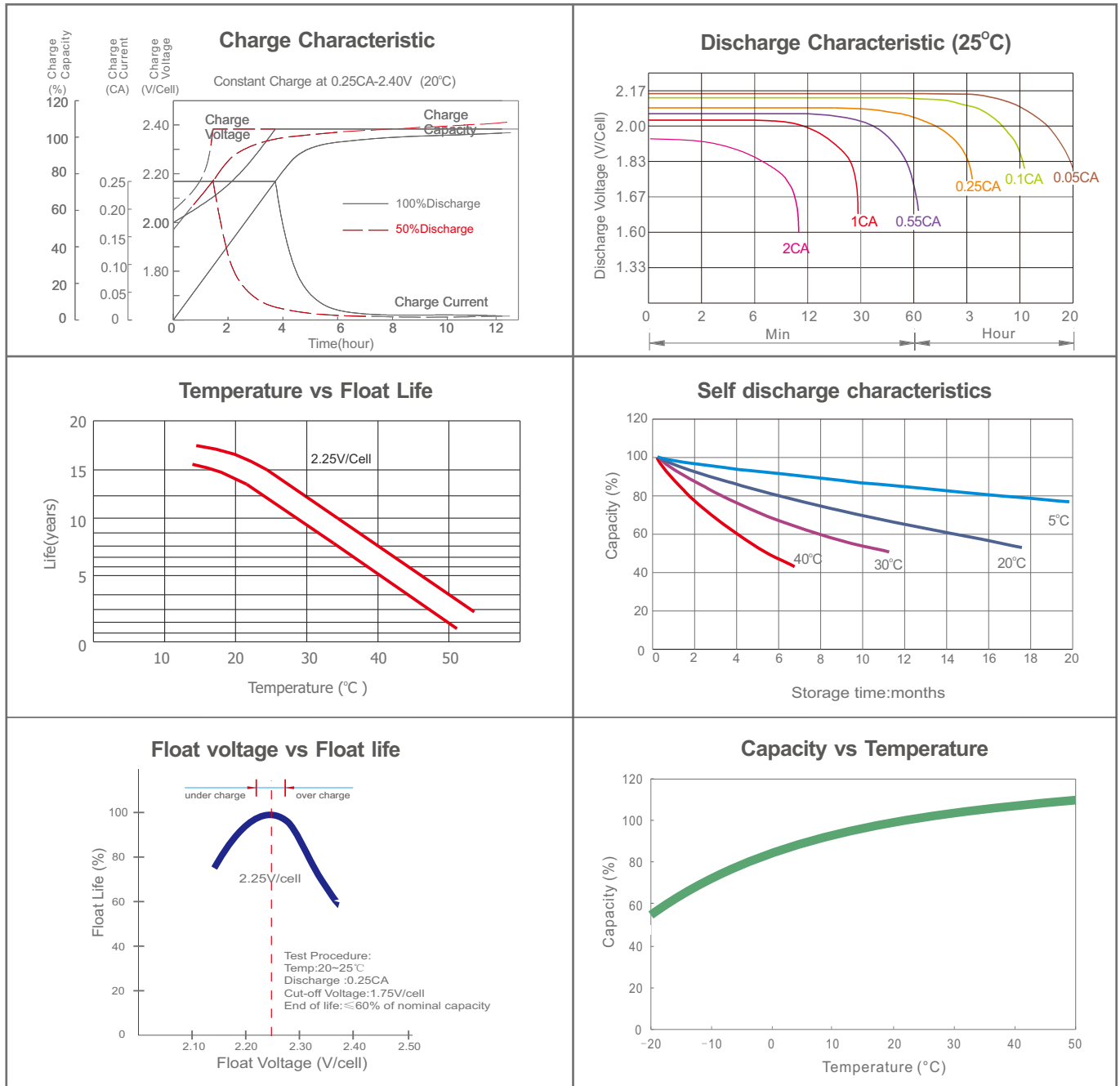


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)											
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	284	244	152	101	56.9	41.2	33.1	27.2	19.2	15.9	8.25
1.67V	262	230	147	98.7	56.0	40.7	32.4	26.9	18.9	15.7	8.18
1.70V	238	217	141	96.4	55.2	40.2	32.1	26.7	18.8	15.5	8.06
1.75V	221	202	136	94.5	54.3	39.6	31.7	26.3	18.4	15.3	7.99
1.80V	201	188	130	92.0	52.7	38.7	31.0	25.9	18.0	15.0	7.95
1.85V	181	171	123	87.4	50.6	37.0	30.0	25.1	17.3	14.5	7.50

Constant Power Discharge Characteristics: W/cell (25°C)											
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	510	445	280	189	107	77.8	62.7	51.8	36.8	30.7	16.4
1.67V	475	422	272	185	106	77.3	61.8	50.6	36.5	30.5	16.3
1.70V	436	402	264	182	105	77.0	61.6	51.5	36.4	30.4	16.1
1.75V	410	378	257	180	104	76.4	61.5	51.1	36.1	30.2	16.0
1.80V	377	356	248	173	102	75.4	60.6	50.9	35.6	29.8	15.9
1.85V	344	327	237	170	99.0	72.7	59.2	49.6	34.6	28.9	15.1

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

Aeson Power

18/40 Ricketts Road, Mount Waverley

Tel: +61 3 9545 5993

Website: www.aesonpower.com.au

Email: info@aesopower.com.au

