

## 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

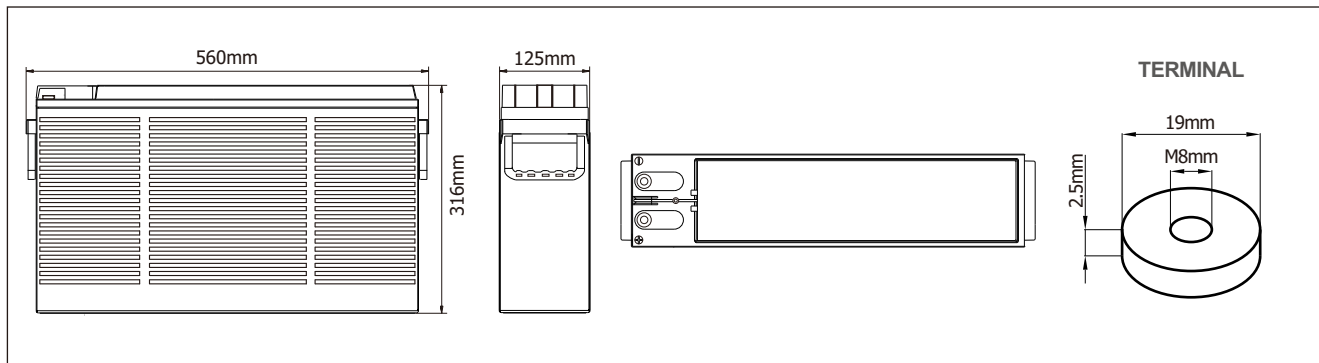
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	15 Years
Nominal Capacity (25°C)	200 Ah @ 20HR-rate (to 1.80Vpc)
Dimension (mm)	L560mm x W125mm x H316mm
Approx. Weight	56.0 kg
Terminal Type	Female Copper Insert M8 (torque:8~10N.m)
Internal Resistance	Approx. 4 mOhm (fully charged @ 25°C)
Max. Charge Current	50A
Max. Discharge Current (5S)	1200 A
Short Circuit Current	4000 A
Self Discharge	Approx. 2.5% per month @ 20°C
Ambient Temperature	Discharge: -15~60°C Charge: -15~60°C Storage: -15~45°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

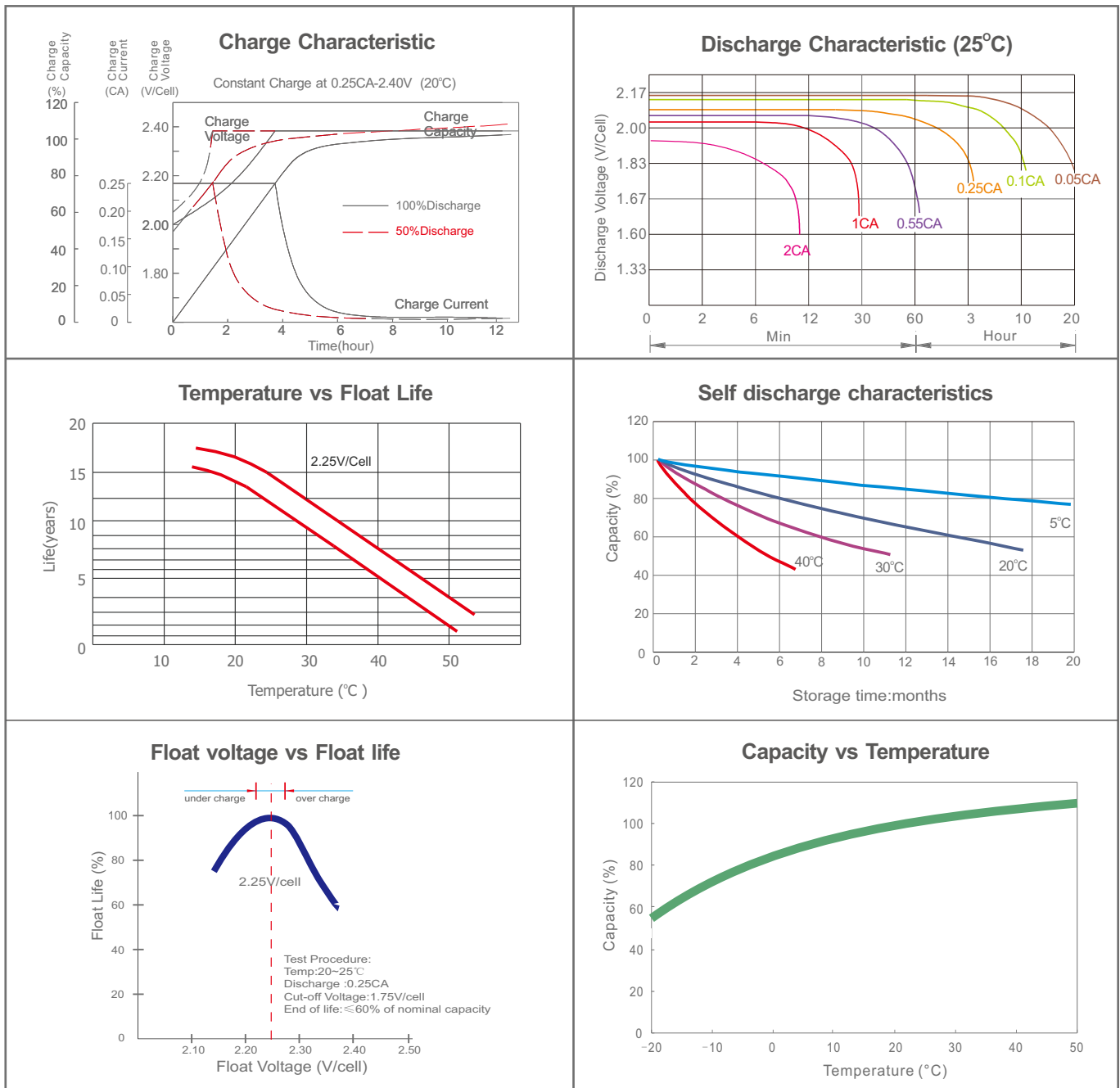


### BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics:A(25 )													
F.V/T ime	10min	15min	30min	1h	1.5h	2h	3h	4h	5h	8h	10h	20h	
1.60V	358	307	193	125	90.9	73.7	55.2	44.3	36.5	25.4	20.5	10.5	
1.67V	330	290	185	122	89.0	72.5	54.5	43.4	36.1	25.1	20.3	10.4	
1.70V	300	274	178	119	87.4	71.5	53.9	43.0	35.8	24.9	20.1	10.3	
1.75V	278	254	172	117	85.8	70.3	53.0	42.5	35.2	24.4	19.7	10.2	
1.80V	253	237	164	111	82.5	68.2	52.0	41.5	34.8	23.9	19.5	10.0	
1.85V	228	216	155	108	79.7	65.5	49.6	40.2	33.2	23.0	18.8	9.75	

Constant Power Discharge Characteristics:Wpc(25 )													
F.V/T ime	10min	15min	30min	1h	1.5h	2h	3h	4h	5h	8h	10h	20h	
1.60V	643	561	358	233	170	138	104	84.0	69.5	48.9	39.9	21.3	
1.67V	599	532	343	229	168	137	104	82.8	67.8	48.5	39.7	21.1	
1.70V	550	507	333	225	166	136	103	82.6	69.0	48.2	39.5	20.9	
1.75V	517	476	324	222	164	135	102	82.4	68.5	47.9	39.2	20.7	
1.80V	475	448	313	214	159	132	101	81.2	68.3	47.3	38.7	20.6	
1.85V	433	413	298	202	150	124	96.4	78.6	65.0	45.8	37.6	19.6	

**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@aesopower.com.au

