DURATION SERIES VRLA BATTERY

By combining up-to-date DCP-Ⅱ formula in the positive plates and enhanced electrolyte for VRLA, bosfa created an innovative range of DC batteries. This range features deep cycling use with higher cyclic life when compared with the standard Duration range. This series is highly suited to cyclic applications such as outdoor applications, small RE systems and electric vehicles.

12 V voltage | **7.2Ah** capacity | **AGM** tech | **Enhanced** deep cycling

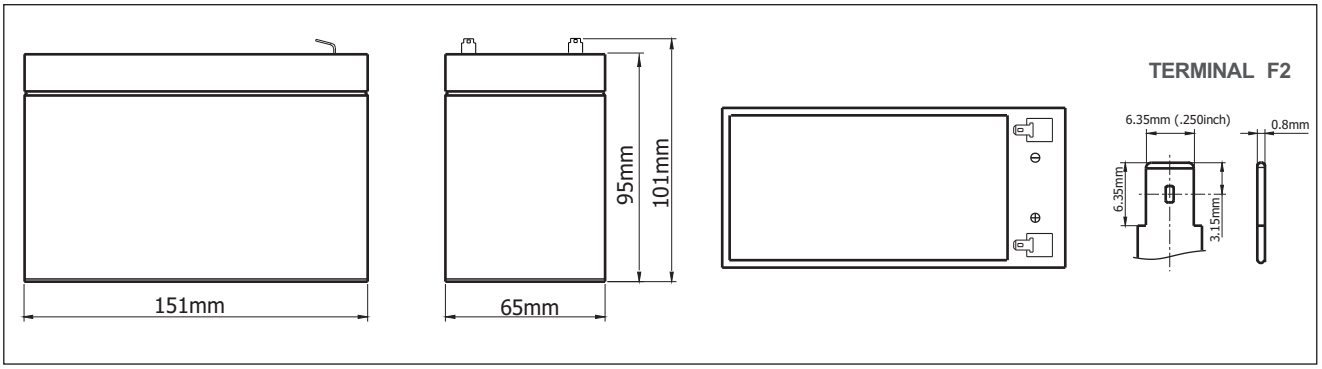
TECHNICAL SPECIFICATIONS

Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	5 Years
Nominal Capacity (25°C)	7.2 Ah @ 20HR-rate (to 1.75Vpc)
Dimension (mm)	L151mm x W65mm x H101mm
Approx. Weight	2.1 kg (4.63 lbs)
Terminal Type	Fasten Tab F2
Internal Resistance	Approx. 0.02 Ohm (fully charged @ 25°C)
Max. Charge Current	2.16 A
Max. Discharge Current (5S)	105 A
Short Circuit Current	600 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -15~55°C Charge: -15~45°C Storage: -15~45°C
Float Charge Voltage (20~25°C)	13.6-13.8V (-3mV/ cell/ °C)
Equalize and cycle Use Charge Voltage (20~25°C)	14.4-14.8V (-5mV/ cell / °C)
Container Material	ABS (UL94-V0 optional)

ISO9001 ISO14001

Complied standards
- IEC 61056
- JIS C8707
- GB/T19639

BATTERY DIMENSIONS



BATTERY DISCHARGE TABLE

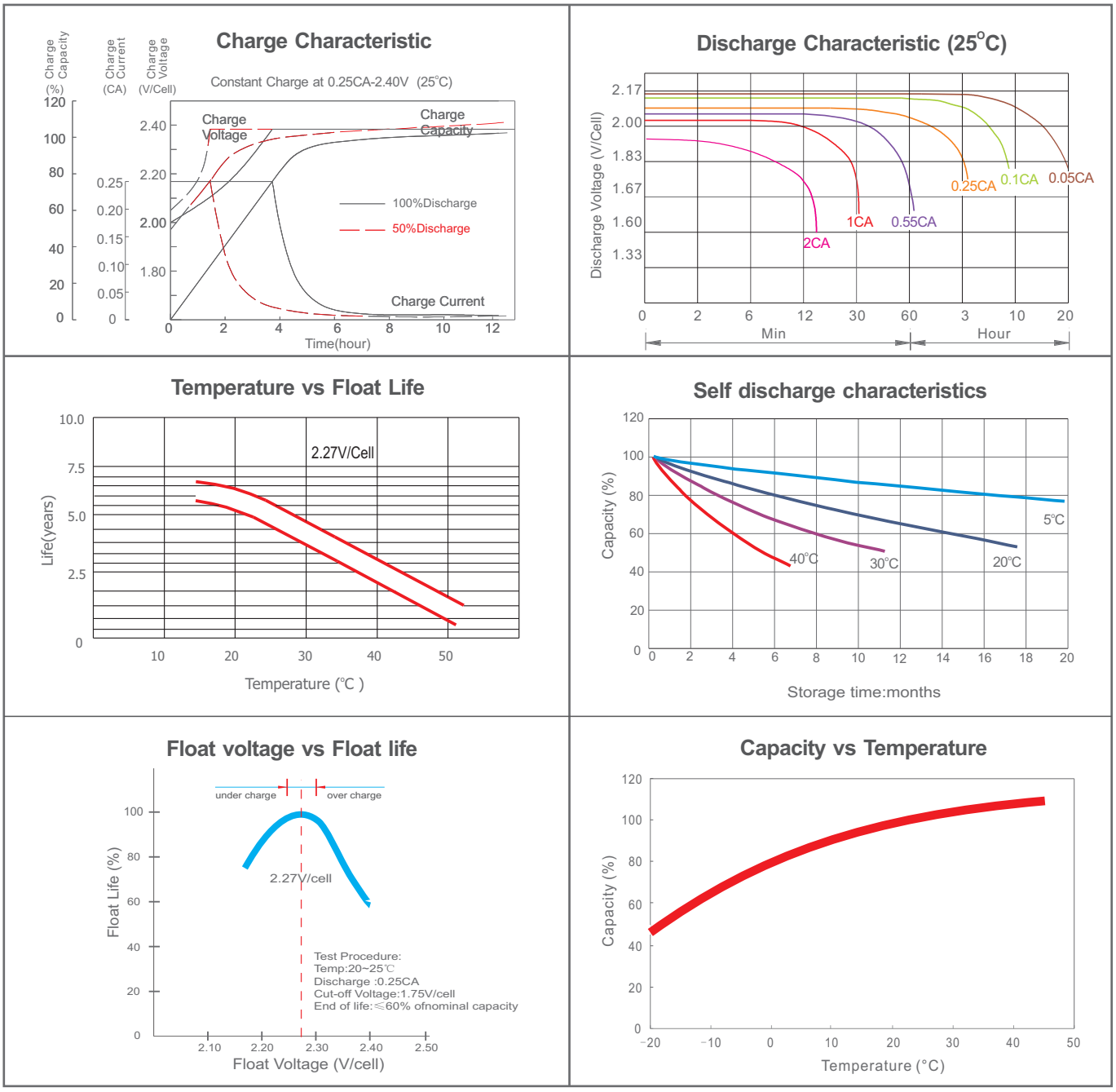
Constant Current Discharge Characteristics: Amps (25°C)

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	17.2	13.1	7.80	4.64	2.78	1.98	1.57	1.29	0.87	0.72	0.382
1.67V	16.6	12.7	7.62	4.59	2.75	1.96	1.54	1.28	0.86	0.71	0.375
1.70V	15.9	12.3	7.49	4.52	2.72	1.95	1.53	1.26	0.85	0.70	0.368
1.75V	15.2	12.0	7.31	4.44	2.68	1.93	1.51	1.25	0.84	0.69	0.360
1.80V	14.3	11.7	7.18	4.35	2.64	1.90	1.49	1.23	0.83	0.68	0.352
1.85V	13.5	11.4	7.04	4.28	2.61	1.87	1.47	1.22	0.82	0.67	0.343

Constant Power Discharge Characteristics: W/cell (25°C)

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	30.9	23.9	14.4	8.66	5.22	3.75	2.97	2.46	1.68	1.38	0.74
1.67V	30.1	23.3	14.2	8.60	5.19	3.73	2.95	2.45	1.67	1.37	0.73
1.70V	29.1	22.9	14.0	8.53	5.18	3.72	2.94	2.44	1.66	1.36	0.72
1.75V	28.2	22.5	13.8	8.45	5.15	3.71	2.93	2.43	1.65	1.35	0.71
1.80V	26.9	22.2	13.7	8.35	5.12	3.70	2.92	2.42	1.64	1.34	0.70
1.85V	25.7	21.9	13.6	8.31	5.10	3.68	2.91	2.41	1.63	1.33	0.69

CHARACTERISTICS



FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (A)	I ≤0.08C	0.08C ≤ I < 0.2C	0.2C ≤ I < 0.6C	0.6C ≤ I < 1.0C	I ≥ 1.0C
Final of Voltage	≥1.85Vpc	≥1.80 Vpc	≥1.75 Vpc	≥1.7 Vpc	≥1.6 Vpc