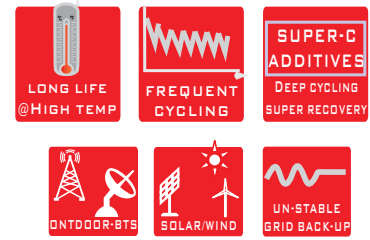


XT SERIES EXTREME HIGH TEMPERATURE VRLA BATTERY

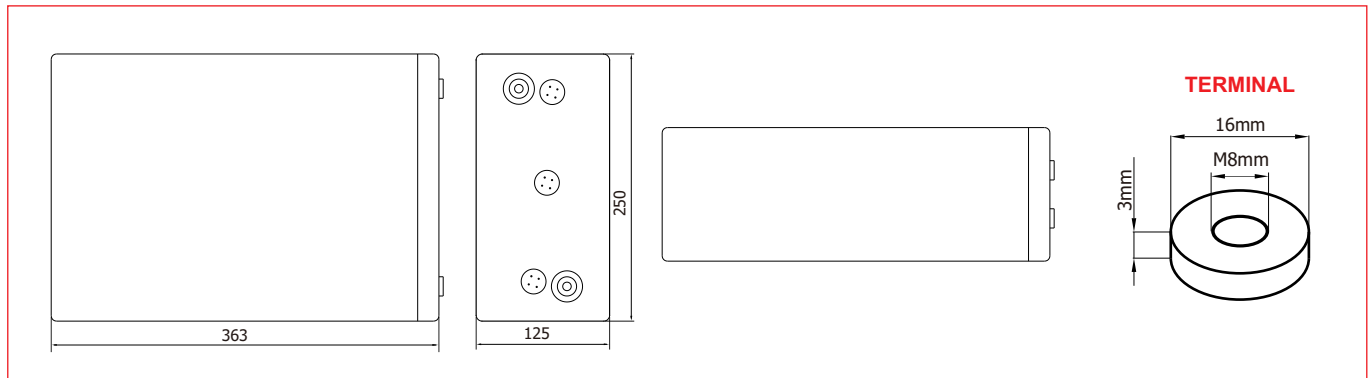
XT series uses the newly developed nano gel electrolyte with high temperature additive and heavy duty plates designs, it created the long service life at elevated extreme high temperature. The XT battery can provide optimum and reliable service under extreme condition for high temperature and frequent power failure. This series is highly suited to tropic area for outdoor applications such as outdoor BTS without temperature control and off grid PV system.


TECHNICAL SPECIFICATIONS

Nominal Voltage (V)	6 (3 cells per unit)
Designed Floating Life (35°C)	8 Years
Nominal Capacity (35°C)	200 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L363mm x W125mm x H250mm
Approx. Weight	32.0 kg (70.6 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.002 Ohm (fully charged @ 25°C)
Max. Charge Current	50.0A
Max. Discharge Current (5S)	1000 A
Short Circuit Current	3150 A
Self Discharge	Approx. 2.5% per month @ 25°C
Ambient Temperature	Discharge: -25~60°C Charge: -25~60°C Storage: -25~45°C
Float Charge Voltage (35°C)	6.75V @25°C(-3mV/ cell/°C)
Equalize and cycle Use Charge Voltage (35°C)	7.05V @25°C
Container Material	ABS (UL94-V0 optional and LOI ≥28%)



- ★ Long life in high temperature
- ★ Long deep cycle life
- ★ Excellent recovery performance after deep discharge
- ★ EUROBAT long life design
- ★ Optimize design for:

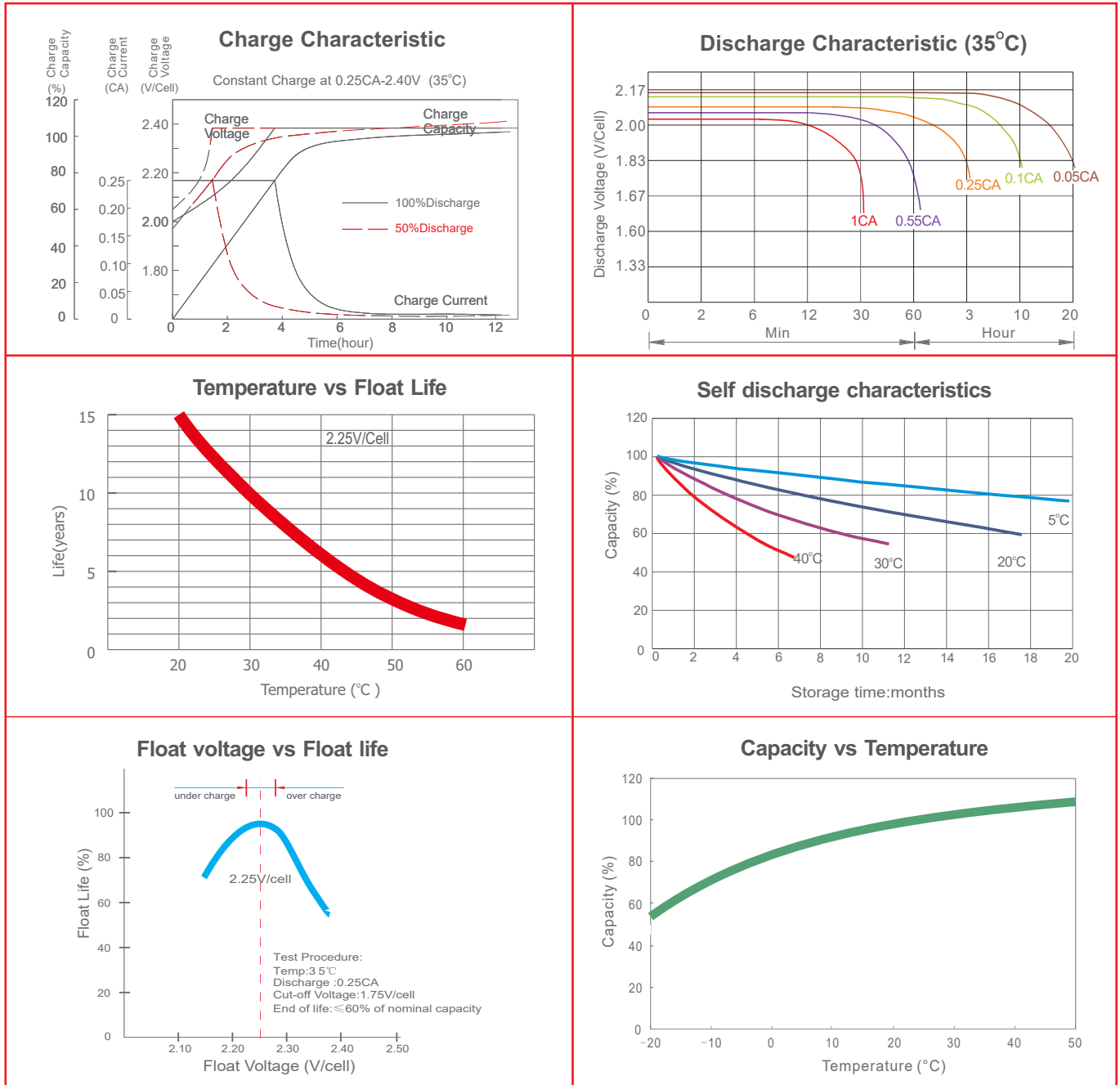
DIMENSIONS

DISCHARGE TABLE
Constant Current Discharge Characteristics: Amps (35°C)

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	360	309	192	132	75.9	54.9	44.1	36.3	25.6	21.2	11.0
1.67V	331	291	186	129	74.6	54.3	43.2	35.9	25.2	20.9	10.9
1.70V	301	275	179	127	73.6	53.6	42.8	35.6	25.1	20.7	10.8
1.75V	280	255	173	124	72.4	52.8	42.3	35.0	24.5	20.4	10.7
1.80V	254	238	165	120	70.2	51.6	41.3	34.6	24.0	20.0	10.6
1.85V	229	217	156	117	67.5	49.3	40.0	33.4	23.1	19.3	10.0

Constant Power Discharge Characteristics: W/cell (35°C)

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	646	563	355	246	143	104	83.6	69.1	49.1	41.0	21.9
1.67V	602	535	345	242	141	103	82.4	67.5	48.7	40.7	21.7
1.70V	553	510	335	240	140	103	82.2	68.7	48.5	40.5	21.5
1.75V	519	478	326	236	139	102	82.0	68.1	48.1	40.2	21.3
1.80V	477	450	314	230	136	100	80.8	67.9	47.5	39.7	21.2
1.85V	435	415	300	226	132	96.9	79.0	66.1	46.1	38.6	20.1

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	≥ 1.85V/pc	≥ 1.80V/pc	≥ 1.75V/pc	≥ 1.70V/pc	≥ 1.60V/pc

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XT SERIES VRLA BATTERY

By combining newly developed NANO-Gel electrolyte, container with enhanced characteristics, and plates - horizontally positioned, pancake-style stacked & compressed under 60kPa - BSB created innovative XT Series of batteries.

The XT Series features: 15 year design life, front access terminals for fast installation and easy maintenance, outstanding thermal resistance (works in up to 65°C).

The XT Series batteries are highly suited for telecom outdoor applications, non-airconditioned substation switchrooms, rail signalling, industrial automation, renewable energy systems and other harsh environment applications requiring good cyclic ability and reliable work under elevated temperatures.

TECHNICAL SPECIFICATION

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)	L370mm x W125mm x H291mm
Approx. Weight	33.0 kg (72.8 lbs)
Terminal Type	Female Copper Insert M8 (torque:8~10N.m)
Internal Resistance	Approx. 0.005 Ohm (fully charged @ 25°C)
Max. Charge Current	25A
Max. Discharge Current (5S)	800 A
Short Circuit Current	2000 A
Self Discharge	Approx. 2.5% per month @ 20°C
Ambient Temperature	Discharge: -25~65°C Charge: -25~65°C Storage: -25~45°C
Float Charge Voltage	13.5V (-3mV/ cell/°C)
Equalize Charge Voltage	14.1V @25°C
Container Material	ABS (UL94-V0 optional)

12 V
voltage

100Ah
capacity

GEL
tech

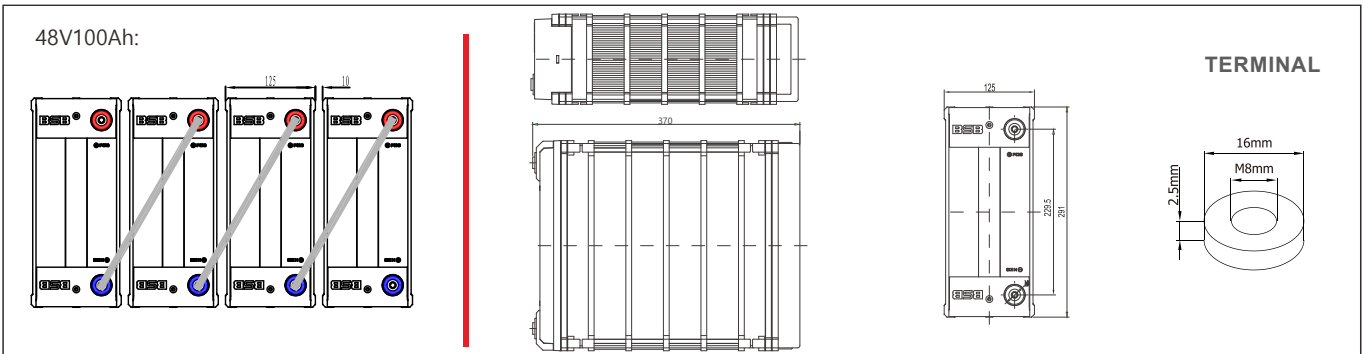
15 years
design life



Complied standards

- IEC 60896-21/22
- GB/T19638
- IEC61427
- YD/T799
- Eurobat guide, long life
- BS6290 part 4
- UL1989

BATTERY DIMENSIONS

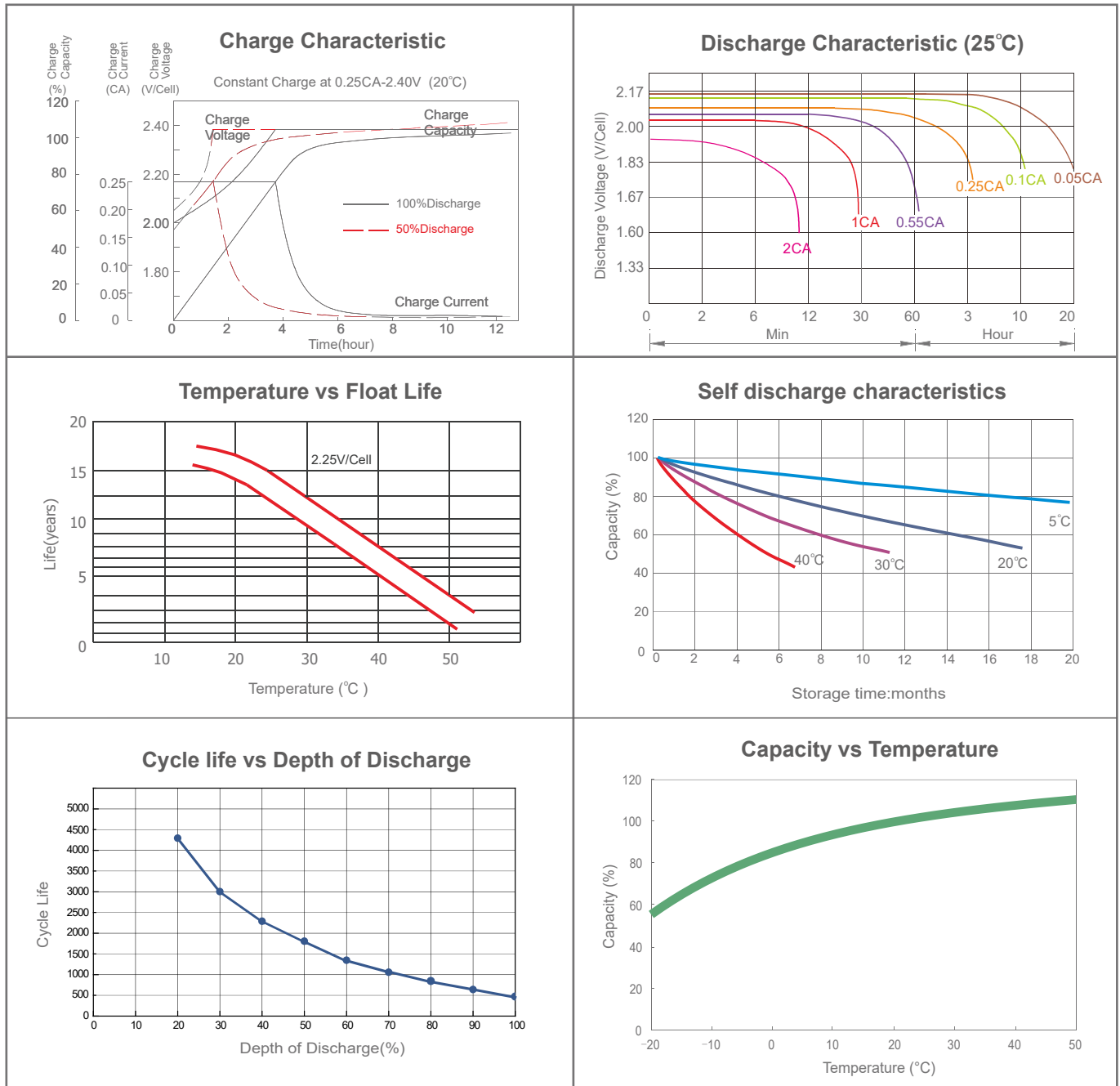


BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)										
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	173	106	68.3	39.1	28.0	22.3	18.3	13.4	10.6	5.50
1.67V	162	103	66.7	38.4	27.6	21.8	18.1	13.2	10.5	5.45
1.70V	154	98.7	65.7	37.9	27.3	21.6	17.9	13.1	10.3	5.38
1.75V	142	95.3	64.1	37.3	26.9	21.3	17.6	12.9	10.2	5.33
1.80V	132	91.1	62.1	36.1	26.3	20.8	17.4	12.5	10.0	5.30
1.85V	121	85.9	60.3	34.8	25.2	20.2	16.8	12.1	9.65	5.00

Constant Power Discharge Characteristics: W/cell (25°C)										
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	314	196	127	73.4	52.8	42.2	34.8	25.7	20.5	10.9
1.67V	298	191	125	72.6	52.6	41.6	34.0	25.5	20.3	10.8
1.70V	284	185	124	72.2	52.3	41.5	34.6	25.3	20.2	10.7
1.75V	267	180	122	71.6	51.9	41.4	34.3	25.2	20.1	10.6
1.80V	251	173	119	70.0	51.2	40.8	34.1	24.9	19.9	10.5
1.85V	231	166	117	68.0	49.4	39.9	33.2	24.0	19.3	10.1

CHARACTERISTICS



FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current (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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