

BSB[®]

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Valve Regulated Lead Acid Battery

HIGH TEMPERATURE BATTERY

XT Series

RANGE SUMMARY

The XT series uses the newly developed nano gel electrolyte with super-C additive plus heavy duty plates design inside. The XT series has a long service life and can provide optimum and reliable service under extreme condition such as high temperature and frequent power failure. This series is highly suited for tropical area in outdoor applications such as Telecom BTS stations and Off grid PV system.

FEATURES AND BENEFITS

- Three years warranty at 45°C
- Able to operate 15 months at 60°C
- 48V integrated design to ensure the best uniformity and reliability
- Long life and high stability under high temp. environment (no air-con needed)
- Use super-C additives: Deep discharge recovery capability
- Front access terminal with standard width for 19" and 23" ETSI racks
- Anti-theft design

CONSTRUCTION

- Positive plate : Thick high Sn low Ca grid minimize corrosion and prolong life
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator : Advanced AGM separator for ultra low float current
- Electrolyte : nano GEL electrolyte
- Battery container and cover : ABS for higher temperature
- Pillar seal : 100% factory tested, proven two layers epoxy resin seal
- Relief valve : Complete with integrated flame arrestor

CHARGING VOLTAGE AND SETTINGS

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.25Vpc @ 20~25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.25 to 2.29 Vpc @ 20~25°C
- Cyclic application charge voltage : 2.35 to 2.40Vpc @ 20~25°C
- Max. charge current allowable : 0.25C10A



Capacity Range: 100Ah-180Ah

General Specifications

Code No.	Voltage (V)	Capacity (AH)	Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height	Kg	Lb		
			mm	in	mm	in	mm	in	mm	in			
XT12-100	12	100	480	18.9	460	18.1	290	11.4	290	11.4	33.0	72.7	T19
XT12-155	12	155	480	18.9	614	24.2	290	11.4	290	11.4	48.5	107	T19
XT12-170	12	170	540	21.3	610	24.0	320	12.6	320	12.6	53.0	116	T19
XT12-180	12	180	540	21.3	610	24.0	320	12.6	320	12.6	54.2	120	T19

For more information and for the complete list of models, please visit our website: www.bsbpower.com or send an email to enquiry@bsbpower.com
Products specifications described herein are subject to change without prior notification.

Applications

- BTS Stations
- Solar & Wind energy system
- UPS system
- Data center
- Power Utility

Complied Standards

- IEC 60896-21/22
- IEC 61427
- YD/T 799
- Eurobat guide, long life
- BS6290 part 4
- UI1989
- IATA and IMDG

Available Series

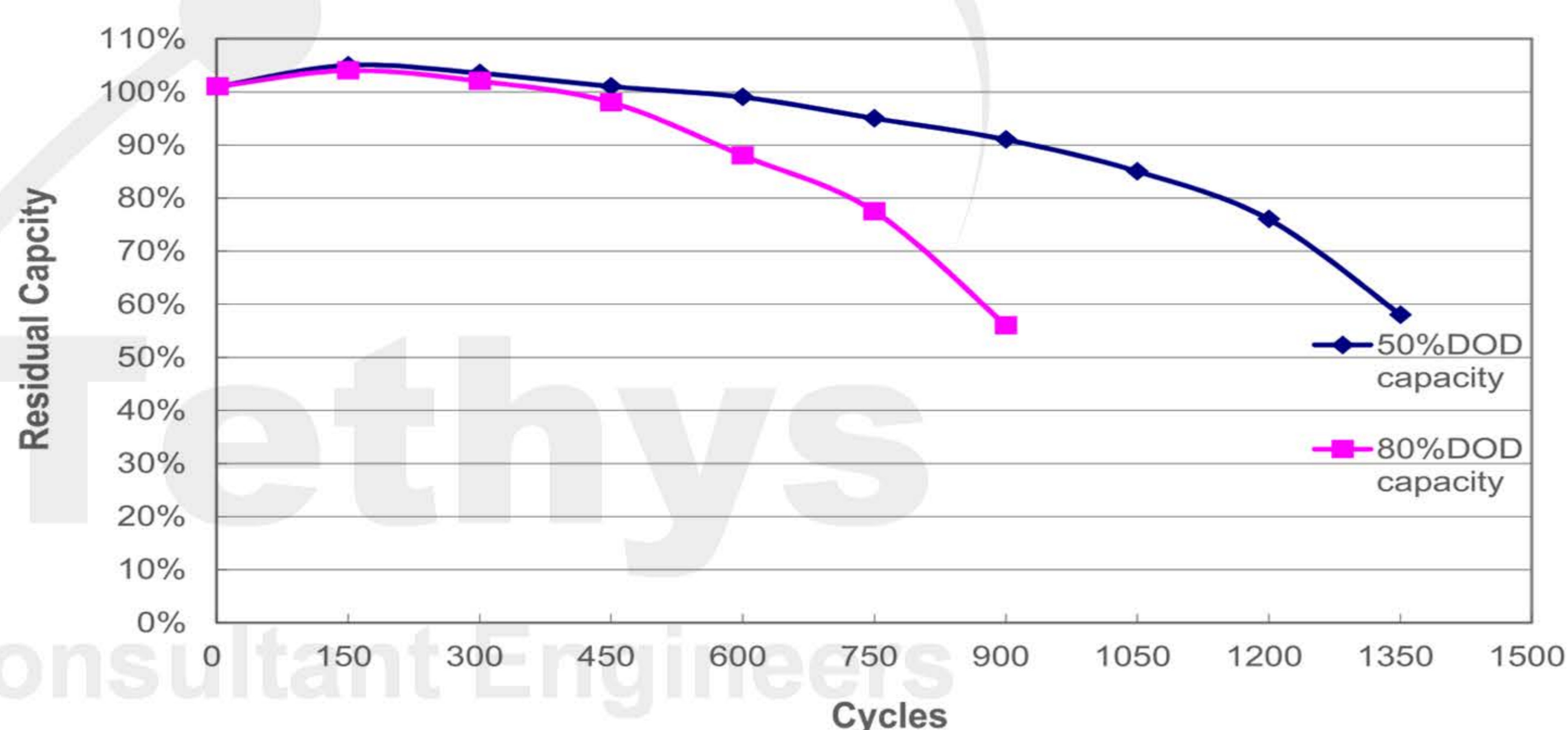
- XT Series
- OPzV Series
- OPzS Series
- FAG Series
- FA Series
- TGF Series
- TG Series
- Solar Series
- LSG Series
- LSE Series
- HR Series
- DC Series
- DB Series
- GB Series

Headquarters and subsidiaries

- BSB Power Company Limited (HQ)
- BSB Power Europe (France)
- BSB Power Malaysia Sdn. Bhd
- PT. BSB Indonesia
- BSB Power (Thailand) Co., Ltd
- BSB Power Company Pakistan Ltd

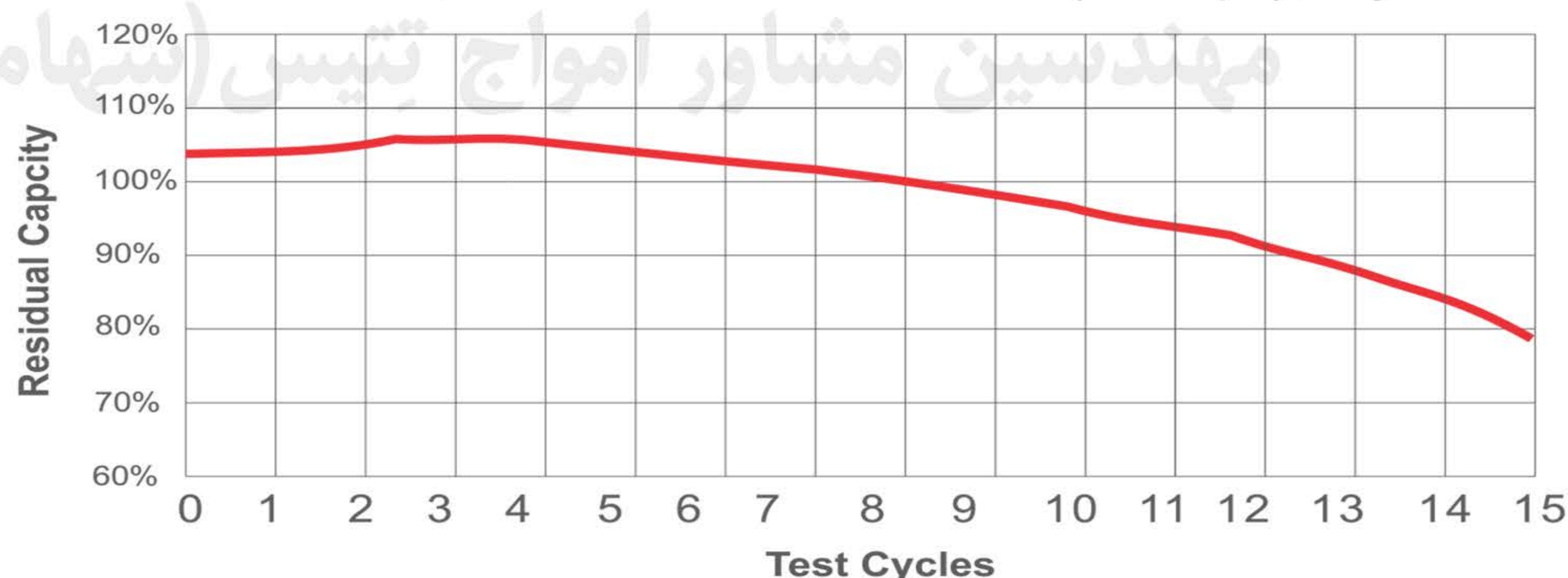
Typical characteristics in High Temperature

XT48-155 Deep Cycle Life Test Curve @35°C



High Temperature (60°C) Accelerated Float Life Curve

Test conditions: 60±2°C, XT48-155 float with 54V(2.25Vpc), 1 cycle is 30 days



CT-JY-MKT-N-A06