



# BTX 12-200 LS

## 12V-210Ah



### Features

- High purity lead calcium grid plates to prolong service life and enhance corrosion resistance
- Low resistance microporous glass fibre separators, AGM VRLA spill resistant design
- One way, self-regulating pressure relief valve allows gas to escape and prevents the ingress of oxygen
- High conductivity, leak resistant female terminal thread for ease of installation
- Heat sealed lid to box weld for superior integrity
- Flame arrestors for added safety

### Electrical Specification

Nominal Voltage	12V
20-hr rate Capacity to 1.75V/cell at 20°C	210 Ah
10-hr rate Capacity to 1.75V/cell at 20°C	194 Ah
10-min rate Constant Power 1.6V/cell at 20°C	819 Watts

### Dimensions

Length	522 mm
Width	238 mm
Height	218 mm
Height over terminals	223 mm
Min height required above terminals	150 mm
Weight (typical)	67,5 kg

### Terminal Type

Female threaded terminal	8 mm
Torque	12,4 Nm

### Internal Resistance

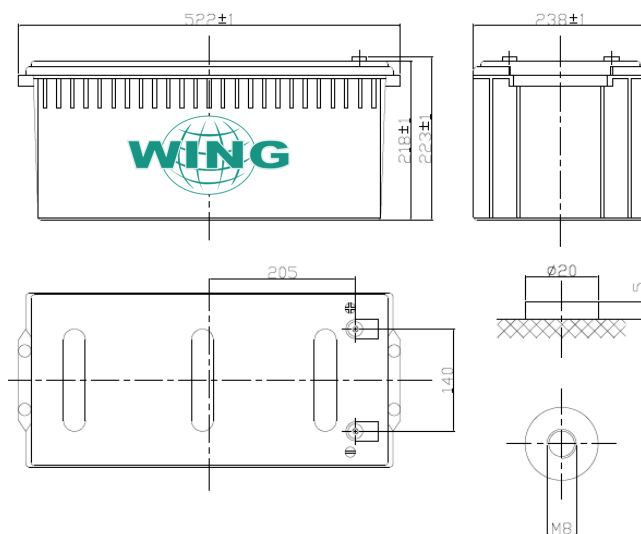
Impedance (fully charged)	2,2 mΩ
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### Charge Voltage

Float charge voltage at 20°C	2.217~2.317 V/cell
Float charge voltage temperature correction factor (for variations from standard 20°C)	-3,3 mV/Cell/°C
Cyclic (or Boost) charge voltage at 20°C	2.425~2.475V/cell
Cyclic charge voltage temperature correction factor (for variations from standard 20°C)	-5 mV/Cell/°C
<b>Charge Current</b>	
Maximum charge current limit	55 A
Remote Degassing Facility	No
Degassing Tube Diameter	- mm

### Operating Temperature Range

Storage (fully charged condition)	-20 °C to 60 °C
Charge	-10 °C to 60 °C
Discharge	-20 °C to 60 °C



### Storage

Capacity loss in storage at 20°C / month	3 %
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### Case Material

Standard option	Container HB - UL94:V0 / ABS / HB
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### Design Life

EUROBAT Classification (High Performance)	10 years
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### Maximum Discharge Current

1 Second	1300 A (5 s)
1 Minute	- A
Short Circuit Current	6000 A

### Standards

Compliant with:  
 BS 6290-4: 1997  
 BS EN 60896-21: 2004  
 BS EN 60896-22: 2004

Manufactured in ISO9001, ISO14001, OHSAS 18001 certified facility





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### Constant Current Discharge - Amps at 20°C (in MINUTES)

V/cell	5	10	15	20	25	30	35	40	45	50	55	60	90
1,6	/	481	401	332	293	266	235	214	197	179	165	153	113
1,63	/	467	390	323	286	259	229	208	192	174	161	149	110
1,65	/	454	379	314	278	252	224	203	187	170	157	146	107
1,7	/	429	359	298	263	239	212	192	178	162	149	139	102
1,75	/	402	339	280	248	225	199	181	167	153	142	132	96,5
1,8	/	387	326	272	242	219	195	177	163	150	139	129	94,8

### Constant Current Discharge - Amps at 20°C (in HOURS)

V/cell	2	3	4	5	6	7	8	9	10	12	20
1,6	89,7	64,9	51,9	43	36,7	32	28,6	25,6	23	19,2	11,2
1,63	87,5	63,3	50,5	41,9	35,8	31,2	27,8	24,9	22,5	18,8	11
1,65	85,7	62,1	49,6	41,1	35,1	30,7	27,4	24,5	22	18,5	10,9
1,7	81,3	58,8	47	39	33,3	29	25,9	23,2	21,1	17,8	10,7
1,75	77,4	56,1	44,7	37,1	31,7	27,6	24,6	22,1	20,3	17,2	10,5
1,8	75,7	54,8	43,8	36,3	31	27,1	24,2	21,6	19,4	16,5	10,2

### Constant Power Discharge - Watts per Cell at 20°C (in MINUTES)

V/cell	5	10	15	20	25	30	35	40	45	50	55	60	90
1,6	/	819	682	565	501	454	400	362	333	306	284	266	193
1,63	/	803	670	555	493	447	394	356	328	301	280	262	190
1,65	/	788	658	546	484	439	388	352	323	297	276	258	187
1,7	/	758	633	527	468	425	375	340	313	288	268	252	182
1,75	/	727	610	508	451	410	363	329	303	279	260	244	177
1,8	/	696	586	488	434	395	350	318	293	270	252	237	171

### Constant Power Discharge - Watts per Cell at 20°C (in HOURS)

V/cell	2	3	4	5	6	7	8	9	10	12	20
1,6	156	118	94,3	79,2	67,5	59,2	52,9	48	44,1	37,8	23,9
1,63	154	116	92,6	78,3	66,7	58,5	52,3	47,5	43,7	37,3	23,6
1,65	152	115	92,1	77,4	66,1	57,9	51,8	47	43,3	37	23,3
1,7	148	112	89,8	75,7	64,6	56,6	50,7	46,1	42,4	36,1	22,8
1,75	144	109	87,6	73,8	63,1	55,4	49,6	45,1	41,5	35,2	22,3
1,8	140	107	85,5	72,1	61,6	54,1	48,5	44,1	40,6	34,3	21,8