



# BTX 12-150 LS

## 12V-152,4Ah



### 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	152,4 Ah
10-hr rate Capacity to 1.75V/cell at 20°C	146 Ah
10-min rate Constant Power 1.6V/cell at 20°C	598 Watts

### Dimensions

Length	482 mm
Width	170 mm
Height	240 mm
Height over terminals	240 mm
Min height required above terminals	150 mm
Weight (typical)	46,4 kg

### Terminal Type

Female threaded terminal	8 mm
Torque	12,4 Nm

### Internal Resistance

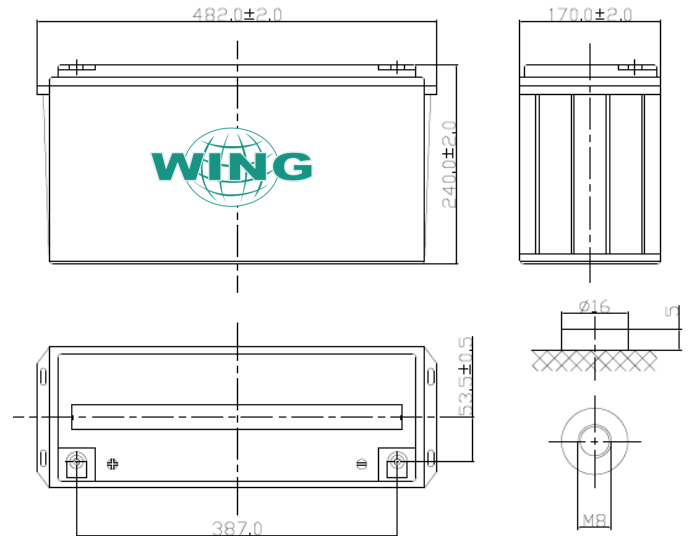
Impedance (fully charged)	4 mΩ
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### Charge Voltage

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	45 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	1000 A (5 s)
1 Minute	- A
Short Circuit Current	3400 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	/	336	285	238	212	194	170	153	141	128	118	109	80,2
1,63	/	327	277	232	207	189	165	149	137	124	115	106	78,1
1,65	/	318	270	226	202	184	162	146	133	122	112	105	76,7
1,7	/	300	255	214	191	174	153	138	126	116	106	99,8	73,2
1,75	/	282	240	201	180	165	145	130	120	109	102	94,3	69,2
1,8	/	270	232	195	175	160	141	128	117	107	98,8	92,2	67,7

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

V/cell	2	3	4	5	6	7	8	9	10	12	20
1,6	64	46,4	37,3	31,2	26,8	23,5	21	18,6	16,9	14,2	8,27
1,63	62,4	45,1	36,4	30,5	26,1	22,8	20,5	18,2	16,6	13,9	8,16
1,65	61,2	44,4	35,8	29,9	25,6	22,4	20,1	17,8	16,3	13,7	8,05
1,7	58,5	42,3	34,1	28,5	24,4	21,4	19,1	17,2	15,7	13,2	7,84
1,75	55,3	40	32,3	27	23,1	20,3	18,1	16,5	15,1	12,7	7,62
1,8	54	39,2	31,5	26,4	22,6	19,8	17,8	15,8	14,6	12,2	7,41

## 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	/	598	512	425	378	343	305	278	257	234	215	200	144
1,63	/	587	502	418	371	337	300	273	253	230	212	197	142
1,65	/	576	493	411	366	332	295	269	249	227	209	194	140
1,7	/	554	475	396	353	321	286	261	241	220	203	189	137
1,75	/	531	458	382	340	310	276	252	234	214	197	183	133
1,8	/	509	440	368	328	299	267	244	226	207	191	178	129

## 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	113	84,2	68,7	58,9	50,2	44	39,5	35,9	33	28,5	17,8
1,63	111	83,1	67,8	58,2	49,7	43,6	39	35,5	32,6	28,1	17,7
1,65	110	82,1	67	57,5	49,2	43,2	38,6	35,1	32,3	27,7	17,5
1,7	108	80	65,5	56,2	48	42,2	37,8	34,4	31,7	27,1	17,1
1,75	105	77,9	63,8	54,9	46,9	41,2	37	33,7	31	26,4	16,7
1,8	102	75,7	62,2	53,5	45,8	40,3	36,2	33	30,4	25,7	16,3