



# BTX 12-134 LS

## 12V-139,6Ah



### 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	139,6 Ah
10-hr rate Capacity to 1.75V/cell at 20°C	130 Ah
10-min rate Constant Power 1.6V/cell at 20°C	552 Watts

### Dimensions

Length	341 mm
Width	173 mm
Height	283 mm
Height over terminals	287 mm
Min height required above terminals	150 mm
Weight (typical)	41,5 kg

### Terminal Type

Female threaded terminal	8 mm
Torque	12,4 Nm

### Internal Resistance

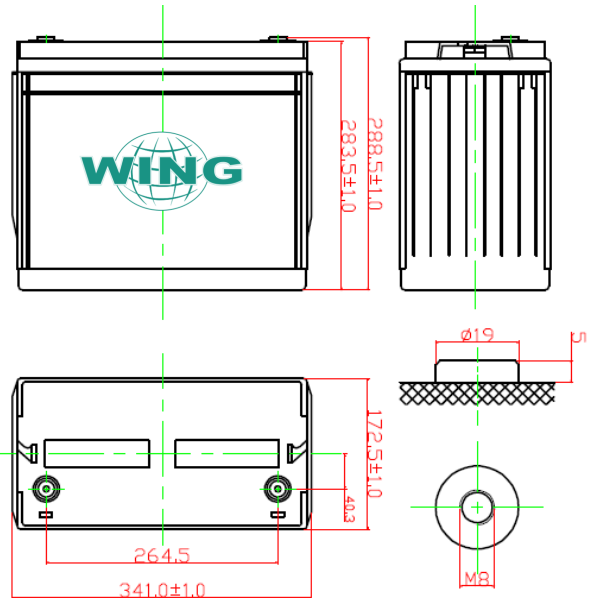
Impedance (fully charged)	4 mΩ
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### Charge Voltage

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	40,2 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	Top Cover - 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	950 A (5 s)
1 Minute	- A
Short Circuit Current	3300 A

### Standards

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



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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	/	303	251	211	187	169	149	133	123	111	103	95	69,7
1,63	/	294	245	206	182	165	145	129	119	108	99,8	92,9	68,2
1,65	/	287	238	200	178	161	141	127	116	105	97,9	90,9	66,8
1,7	/	270	223	190	167	152	133	120	109	101	92,7	86,7	63,6
1,75	/	254	211	179	158	144	126	113	104	95	88,3	82,2	60,3
1,8	/	244	203	173	153	139	122	111	102	93,1	86	80,3	58,9

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

V/cell	2	3	4	5	6	7	8	9	10	12	20
1,6	55,7	40,3	32,5	27,2	23,3	20,4	18,4	16,7	15,1	12,7	7,44
1,63	54,4	39,5	31,8	26,6	22,8	19,9	18	16,3	14,8	12,4	7,36
1,65	53,3	38,6	31,1	26	22,3	19,5	17,7	16	14,6	12,2	7,28
1,7	50,9	36,8	29,7	24,8	21,2	18,6	16,8	15,2	14	11,8	7,13
1,75	48,2	34,8	28,1	23,5	20,2	17,7	15,9	14,5	13,5	11,4	6,98
1,8	47	34,1	27,5	23	19,7	17,2	15,6	14,1	13	11,1	6,84

## 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	/	552	456	376	332	300	265	241	222	201	185	171	126
1,63	/	542	447	369	326	294	261	237	219	199	182	169	124
1,65	/	532	439	363	321	290	258	233	216	197	181	168	123
1,7	/	510	423	351	310	280	249	227	209	191	177	164	120
1,75	/	484	407	338	299	271	241	219	202	186	172	161	117
1,8	/	464	392	326	288	260	232	212	196	180	167	157	115

## 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	102	73,7	59,5	50,4	43,4	38,2	34,4	31,4	29	24,8	16,1
1,63	101	72,8	58,7	49,9	42,9	37,8	34	31	28,7	24,5	15,9
1,65	99,8	71,9	58	49,3	42,4	37,4	33,7	30,7	28,4	24,3	15,7
1,7	97	70	56,6	48,2	41,4	36,6	33	30,2	27,9	23,7	15,3
1,75	94,1	68,3	55,3	47	40,4	35,8	32,2	29,5	27,3	23,2	15
1,8	90,9	66,3	53,8	45,9	39,5	34,9	31,5	28,9	26,7	22,7	14,7