



BTX 12-120LS-S

12V-120Ah/C10

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 Capacity at 25°C	12V
10-hr rate (12.0A / 10.8V)	120 Ah
5-hr rate (18.7A / 10.5V)	93.5 Ah
1-hr rate (71.5 A / 9.6V)	71.6 Ah

Dimensions

Length	330 mm
Width	171 mm
Height	215 mm
Height over terminals	222 mm
Min height required above terminals	5 mm
Weight (typical)	32,5 kg

Terminal Type

Female threaded terminal	M8
Torque	5-7 Nm

Internal Resistance

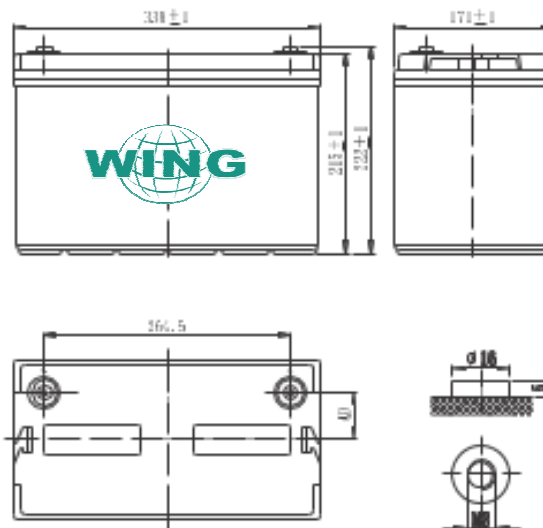
Impedance (fully charged)	5,3 mΩ
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Constant Voltage Charge at 25°C

Cycle use	2.40~2.45 V/cell
Maximum charging current	36 A
Temperature compensation	-30 mV/Cell
Standby use	2.20~2.30 V/cell
Temperture compensation	-20 mV/Cell

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 / Cover Material

Standard option	ABS
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Design Life

EUROBAT Classification (High Performance)	10 years
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Maximum Discharge Current

Max. Discharge Current at 25°C	950 A (5 s)
Short Circuit Current	2250 A

Standards

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



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Discharge Constant Current - Amps at 25°C

V/cell	10 min	15 min	30 min	1h	3h	5h	10h	20h
1,6	250	203	120	71.6	28.9	19,2	12.4	6.55
1,65	237	195	116	71.1	28.3	19.0	12.3	6.50
1,70	223	187	112	69.7	27.7	18.8	12.2	6.44
1,75	210	179	108	67.5	27.1	18.7	12.1	6.38
1,80	197	171	106	65.4	26.3	18.5	12.0	6.30

Discharge Constant Power - Watts at 25°C

V/cell	10 min	15 min	30 min	45 min	1h	2h	3h	5h
1,6	449	370	227	157	145	77.8	56.1	38.1
1,65	426	358	220	153	143	76.4	55.4	37.9
1,70	404	346	213	150	141	75.0	54.8	37.6
1,75	383	334	206	146	137	73.6	54.1	37.4
1,80	358	322	199	143	133	72.9	53.2	37.0

