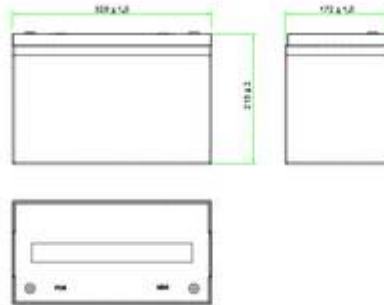




BTX 12-100LS

12V-100Ah · High Rate
2270W @ 15 minutes



Electrical Specifications

Nominal Voltage		12 V
Nominal Capacity (10hr 1.8V/C at 25°C)		102,0 Ah
Capacity at 25°C to 1,8V	20 hour rate	106,0 Ah
	10 hour rate	102,0 Ah
	8 hour rate	98,4 Ah
	3 hour rate	86,1 Ah
	1 hour rate	70,0 Ah
Self discharge @ 20°C	per month	2 - 2,5 %
Internal Resistance		4 mΩ
Short Circuit Current		>1600 A
Charge Voltage: @25°C	Standby (-3mV/°C)	2,29 V/Cell
	Cyclic (max: 30A (-3mV/°C))	2,40 V/Cell

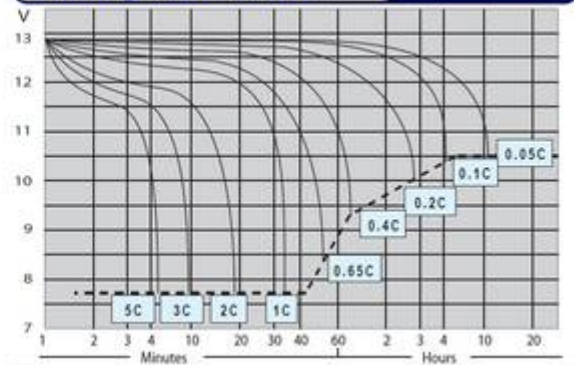
Innovative Features

- Design life up to 12 years (High Performance)
- BTX-LS batteries are maintenance free
- High Discharge Rate
- Lead-Calcium casted grids
- AGM separators for improved electrolyte distribution
- BTX-LS Capacity range: 17-200Ah
- Designed in conformance with the DIN EN 60896-2:1997 standard
- Extremely low gassing
- Reduced self discharge
- 100% recyclable
- No limitations for transport via road, rail, boat or air

Other Specifications

Design Life		up to 12 Years
Dimensions	LxWxH	329*172*215 mm
	Total height	228 mm
Operating Temperature		-20 to +50 °C
Separator		Absorbent Glass Mat
Grid alloy		Calcium / Tin lead alloy
Case and cover		ABS
Electrolyte		Sulphuric Acid
Terminal		M6 insert
Optional terminal types		Cu/Lead Flag
Torque setting		7 - 9 Nm
Weight		33,0 Kg

Discharge Curve @ 20°C



Constant Power Discharge - Watts per Cell at 20°C

V/Cell	5 min	10 min	15 min	30 min	45 min	1 hr	2 hr	5 hr	10 hr	20 hr
1,65 V	600	453	364	235	175	136	78,3	39,1	22,2	11,9
1,70 V	573	435	351	227	169	133	76,3	38,2	21,7	11,7
1,75 V	547	418	338	219	164	129	74,2	37,3	21,3	11,5
1,80 V	520	400	325	211	158	125	72,1	36,4	20,8	11,3



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