

BTX 12-90LS

12V-90Ah • High Rate
2000W @ 15 minutes



Electrical Specifications

Nominal Voltage	12 V
Nominal Capacity (10hr 1,8V/C at 25°C)	91,6 Ah
Capacity at 25°C to 1,8V	20 hour rate 95,2 Ah
	10 hour rate 91,6 Ah
	8 hour rate 86,4 Ah
	3 hour rate 72,6 Ah
	1 hour rate 60,5 Ah
Self discharge @ 20°C	per month 2 - 2,5 %
Internal Resistance	4 mΩ
Short Circuit Current	>1500 A
Charge Voltage @ 25°C	Standby (-3mV/°C) 2,29 V/Cell
	Cyclic I _{max} : 27A (-3mV/°C) 2,40 V/Cell

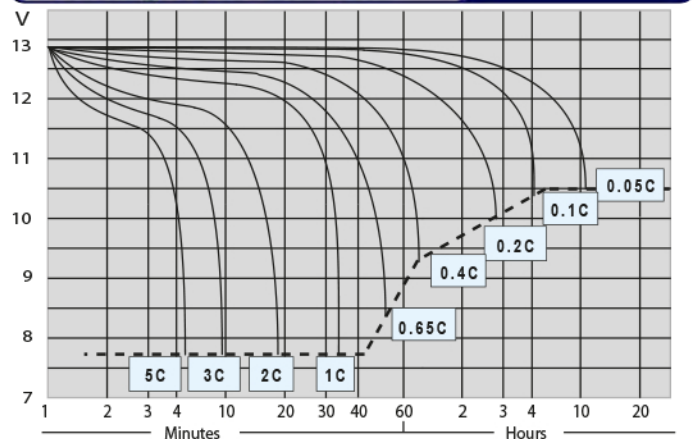
Innovative Features

- 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 306*168*211 mm
	Total height 224 mm
Operating Temperature	-20 to +50 °C
Separator	Absorbant 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	30,0 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	517	404	321	204	150	118	66,3	33,1	19,5	10,4
1,70 V	494	389	308	197	145	115	64,6	32,3	19,1	10,2
1,75 V	486	373	298	190	141	111	62,8	31,6	18,7	10,0
1,80 V	448	357	286	183	136	108	61,1	30,8	18,3	9,9