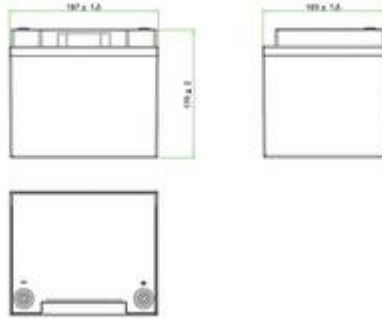




BTX 12-45LS

12V-45Ah · High Rate
1010W @ 15 minutes



Electrical Specifications

Nominal Voltage		12 V
Nominal Capacity (10hr 1,8V/C at 25°C)		45,3 Ah
Capacity at 25°C to 1,8V	20 hour rate	47,0 Ah
	10 hour rate	45,3 Ah
	8 hour rate	43,0 Ah
	3 hour rate	36,3 Ah
	1 hour rate	29,0 Ah
Self discharge @ 20°C	per month	2 - 2,5 %
Internal Resistance		6 mΩ
Short Circuit Current		>1100 A
Charge Voltage @25°C	Standby (-3mV/°C)	2,29 V/Cell
	Cyclic Imax: 13,5A (-3mV/°C)	2,40 V/Cell

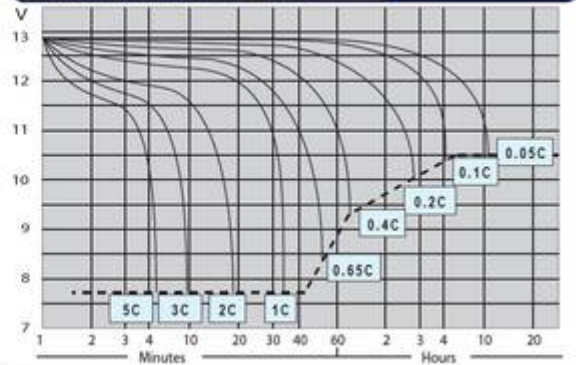
Innovative Features

- 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	197*165*170 mm
	Total height	183 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		14,8 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	299	203	163	96,1	70,0	56,4	32,4	16,6	9,4	5,2
1,70 V	286	195	157	92,9	67,8	54,8	31,6	16,3	9,2	5,1
1,75 V	272	187	151	89,6	65,7	53,2	30,7	15,9	9,0	5,0
1,80 V	259	179	145	86,4	63,5	51,6	29,9	15,5	8,9	4,9



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