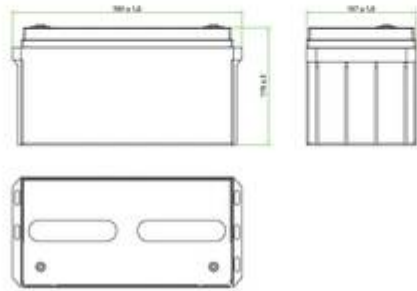




BTX 12-80LS

12V-80Ah · High Rate
1720W @ 15 minutes



Electrical Specifications

Nominal Voltage		12 V
Nominal Capacity (10hr 1,8V/C at 25°C)		81,3 Ah
Capacity at 25°C to 1,8V	20 hour rate	84,5 Ah
	10 hour rate	81,3 Ah
	8 hour rate	77,0 Ah
	3 hour rate	65,1 Ah
	1 hour rate	53,9 Ah
Self discharge @ 20°C	per month	2 - 2,5 %
Internal Resistance		5 mΩ
Short Circuit Current		>1350 A
Charge Voltage @25°C	Standby (-3mV/°C)	2,29 V/Cell
	Cyclic (Imax: 24A (-3mV/°C))	2,40 V/Cell

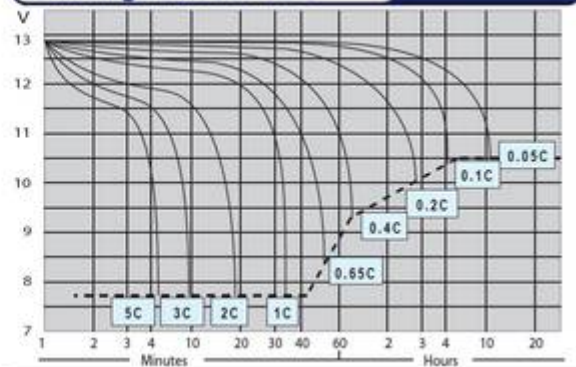
Innovative Features

- 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	350*167*179 mm
	Total height	193 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		26,2 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	477	356	277	172	129	103,0	59,3	30,1	17,8	9,6
1,70 V	456	343	267	167	125	100,0	57,7	29,4	17,4	9,5
1,75 V	434	329	257	161	121	97,4	56,1	28,7	17,1	9,3
1,80 V	413	315	247	155	117	94,5	54,5	28,0	16,7	9,1



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