

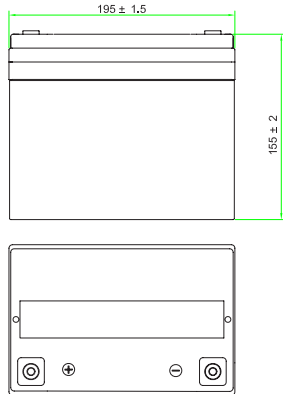
BTX 12-33LS

12V-33Ah • High Rate
750W @ 15 minutes



Member of the WETAC Group

einfach stark.



Electrical Specifications

Nominal Voltage		12 V
Nominal Capacity (10hr 1,8V/C at 25°C)		32,9 Ah
Capacity at 25°C to 1,8V	20 hour rate	34,3 Ah
	10 hour rate	32,9 Ah
	8 hour rate	31,9 Ah
	3 hour rate	27,7 Ah
	1 hour rate	22,9 Ah
Self discharge @ 20°C	per month	2 - 2,5 %
Internal Resistance		7 mΩ
Short Circuit Current		>1000 A
Charge Voltage @25°C	Standby (-3mV/°C)	2,29 V/Cell
	Cyclic I _{max} : 9,9A (-3mV/°C)	2,40 V/Cell

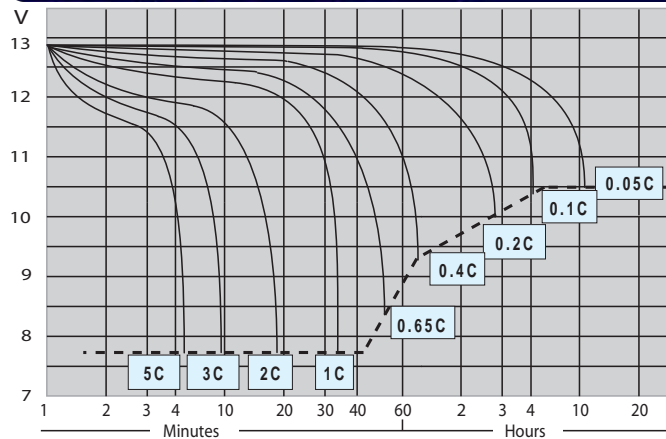
Innovative Features

- 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	195*130*155 mm
	Total height	168 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		11,7 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	237	159	120	75,0	55,8	45,5	26,0	12,5	7,0	3,7
1,70 V	226	153	117	72,6	54,1	44,3	25,3	12,3	6,9	3,7
1,75 V	216	146	111	70,0	52,3	43,0	24,6	12,0	6,7	3,6
1,80 V	205	140	107	67,6	50,6	41,7	23,9	11,7	6,6	3,5

Revision: 04-2013