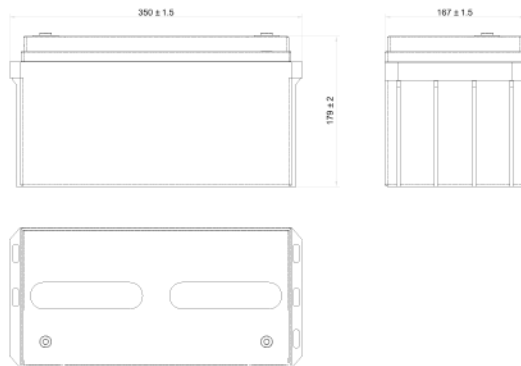


BTX 12-80LS

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 I _{max} : 24A (-3mV/°C)	2,40 V/Cell

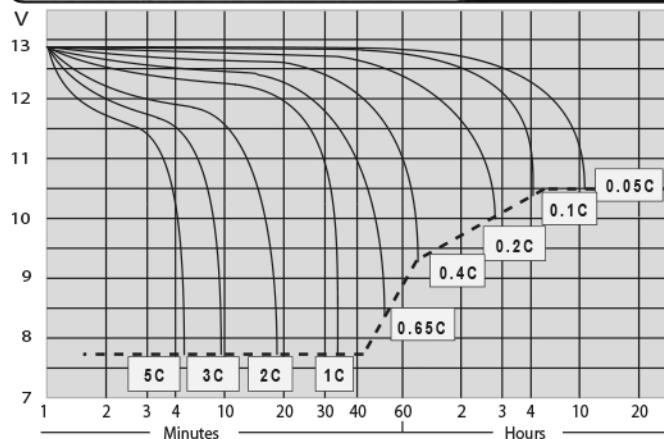
Innovative Features

- 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