



## BTL12-75LX (12V / 75Ah)

BTL series is a general-purpose battery with 10-12 years design life in float service according to Eurobat. With updated AGM valve regulated technology and high purity raw materials, the BTL series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS, DC-power systems, emergency light and security system applications.

Specifications		
<b>Nominal Voltage</b>		12V
<b>Nominal Capacity</b>		75.0Ah
<b>Dimensions</b>	Length	260 ±2mm
	Width	168 ±2mm
	Height	208 ±2mm
	Height of the terminals	211 ±2mm
<b>Approx. Weight</b>		24.2kg
<b>Terminals</b>		M6 screw terminals, contact surface Ø 16mm
<b>Container Material</b>		Acrylnitril-Butadien-Styrol (ABS)
<b>Permitted installation position</b>		Max. 90° to upright normal position (see picture above right)
<b>Rated Capacity</b>	82.0 AH / 4.10 A	20h discharge, 1.80V / cell, 25°C
	78.6 AH / 7.86 A	10h discharge, 1.80V / cell, 25°C
	71.0 AH / 14.2 A	5h discharge, 1.75V / cell, 25°C
	65.7 AH / 21.9 A	3h discharge, 1.75V / cell, 25°C
	57.5 AH / 57.5 A	1h discharge, 1.60V / cell, 25°C
<b>Max. Discharge Current</b>		1230A (5s)
<b>Internal Resistance</b>		Approx. 4.5mΩ
<b>Operating temperature range</b>	Discharge	-15 ~ 40°C
	Charge	0 ~ 40°C
	Storage (charged)	-15 ~ 40°C
<b>Recommended operating temperature</b>		Approx. 20°C
<b>Max. charging current</b>		27.0A
<b>Charging voltage</b>	<b>Boost charge</b>	Voltage 14.4 V ~ 15.0V @ 25°C Temperature coefficient -30mV/°C
	<b>Float charging</b>	Voltage 13.5V ~ 13.8V @ 25°C Temperature coefficient -20 mV/°C
<b>Capacity affected by temperature</b>	40°C	103%
	25°C	100%
	0°C	86%
<b>Self-discharge</b>		EFFEKTA BTL series batteries should be recharged at least every 6 months when stored at 25°C. At higher temperatures, the time interval is shortened.

Discharge at constant current (ampere) at 25°C															
F.V/time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	192.4	146.1	126.0	110.2	85.0	63.6	51.2	29.1	20.7	16.2	13.5	11.6	9.19	7.70	4.02
1.80V/cell	220.7	161.0	138.1	118.8	89.5	65.9	52.9	30.0	21.4	16.7	13.9	12.0	9.46	7.86	4.10
1.75V/cell	251.1	180.8	150.2	126.0	93.3	68.0	54.3	30.9	21.9	17.1	14.2	12.3	9.66	8.00	4.17
1.70V/cell	276.4	196.0	160.1	134.1	98.1	70.9	55.9	31.4	22.4	17.6	14.6	12.5	9.82	8.14	4.24
1.65V/cell	305.8	213.4	171.2	140.2	102.3	73.0	57.5	32.0	22.8	17.8	14.8	12.6	9.99	8.28	4.31
1.60V/cell	336.2	230.3	180.7	147.6	106.3	75.7	58.8	32.6	23.1	18.2	15.1	12.9	10.2	8.43	4.36

Discharge at constant power (watts / cell) at 25°C															
F.V/time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	374.2	285.7	247.8	217.9	168.9	127.0	102.5	58.4	41.9	32.9	27.4	23.7	18.8	15.8	8.30
1.80V/cell	425.0	311.8	269.0	232.7	176.4	130.6	105.2	59.9	42.9	33.7	28.1	24.3	19.3	16.1	8.42
1.75V/cell	478.5	346.7	290.0	244.5	182.2	133.6	107.2	61.3	43.7	34.3	28.6	24.7	19.6	16.3	8.53
1.70V/cell	520.7	371.7	305.4	257.5	189.6	137.9	109.5	61.9	44.4	34.9	29.1	25.0	19.8	16.5	8.61
1.65V/cell	571.4	401.7	324.6	267.6	196.7	141.4	112.0	62.7	44.9	35.3	29.4	25.2	20.0	16.7	8.72
1.60V/cell	621.1	429.0	339.1	279.0	202.3	145.1	113.5	63.3	45.1	35.7	29.7	25.5	20.2	16.8	8.73

## Dimensions

