

Xtra-Power

MARATHON™



Industrial Batteries – Network Power
New Marathon XL
More energy for safer storage.

Specifications

The safe storage system with long design life.

Specifications

- The improved Marathon XL batteries supply more energy for safer storage.
- Excellent high current performance combined with high service life
- Increased capacity (plus 20% compared to Marathon L)
- Maintenance-free (no topping up) during the whole service life
- Nominal capacity 50.4 – 179 Ah
- 12 design life at 20°C ambient temperature (80% remaining capacity C₁₀)
- EUROBAT Classification: Long Life
- Designed in accordance with IEC 60896-21/-22
- Grid plate construction consisting of a lead calcium alloy
- Very low gassing due to internal gas recombination (99% efficient)
- Low self discharge rate
- Short recharging time
- Trouble-free transportation of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause 67)
- Completely recyclable



Applications

The Marathon XL batteries are safe storage systems for electrical energy with long design life. As a long-term storage the batteries are versatile for applications such as telecommunications, emergency lighting, railways, utilities and other safety power supplies.



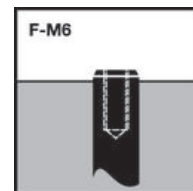
Design life in years: 12	Nominal capacity 50.4 – 179 Ah	Block battery	Grid plate
Recyclable	Valve regulated lead-acid batteries	Maintenance-free (no topping-up)	Special high current performance

Type	Part number	Nom. voltage V	Capacity	Nominal capacity	Capacity	Length (l) max. mm	Width (b/w) max. mm	Height (h1) max. mm	Height incl. connectors (h2) max. mm	Weight approx. kg	Internal resistance mOhm	Short circuit current A	Terminal
			C ₂₀ 1.80 Vpc 20 °C Ah	C ₁₀ 1.80 Vpc 20 °C Ah	C ₁ 1.60 Vpc 20 °C Ah								
XL6V180	NAXL060180HM0FA	6	187	179	120	309	172	223	241	30.0	1.60	3988	F-M6
XL12V50	NAXL120050HM0FA	12	55.4	50.4	32.7	220	172	219	235	19.5	9.10	1376	F-M6
XL12V70	NAXL120070HM0FA	12	71.8	66.6	45.6	262	172	223	239	24.6	9.00	1401	F-M6
XL12V85	NAXL120085HM0FA	12	90.8	85.7	57.5	309	172	223	239	29.3	5.70	2191	F-M6

Figures are also valid for UL 94-V0 version.
Change "H" to "V" in the part number.

E.g.:
Standard NAXL120085 **H** M0MA
UL 94-V0 NAXL120085 **V** M0MA

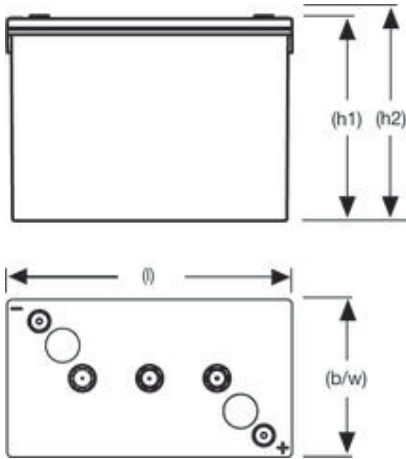
Container, terminal and torque



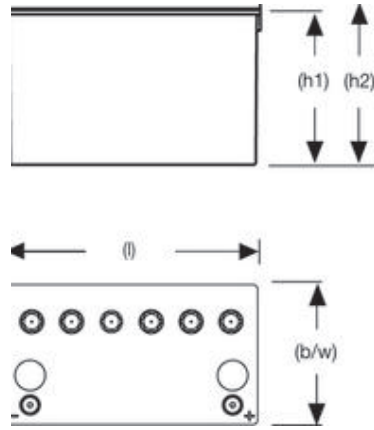
11 Nm

Container: UL 94-HB = Polypropylene (PP)
UL 94-V0 = Polypropylene (PP)

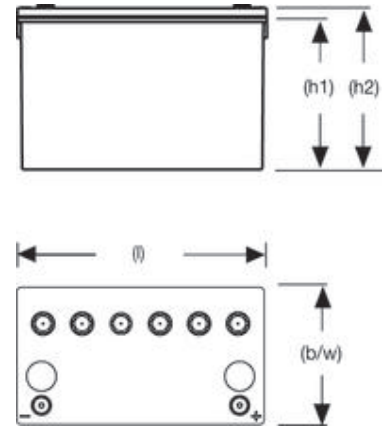
XL6V180



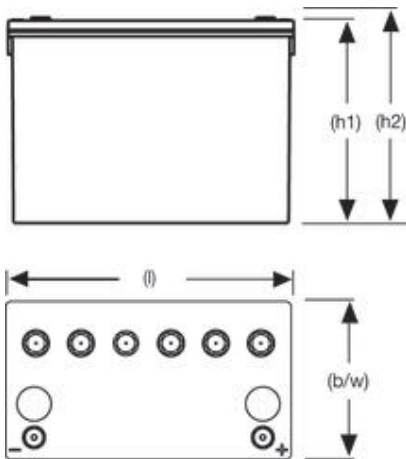
XL12V50



XL12V70



XL12V85



1.95 Vpc – Discharge in A at 20 °C														
Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	212	191	173	155	124	96.9	81.0	48.0	33.8	23.1	15.5	13.7	7.18
XL12V50	NAXL120050HMOFA	63.6	53.7	46.9	42.5	35.0	27.4	22.1	12.6	8.90	6.24	4.36	3.86	2.10
XL12V70	NAXL120070HMOFA	101	84.1	69.2	61.8	47.7	35.8	27.6	16.8	12.2	8.39	5.79	4.99	2.63
XL12V85	NAXL120085HMOFA	114	94.5	82.0	76.3	62.1	47.5	38.1	23.1	17.1	11.3	7.55	6.45	3.43

1.90 Vpc – Discharge in A at 20 °C														
Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	314	256	222	192	148	114	94.5	55.0	39.5	27.0	18.3	16.2	8.54
XL12V50	NAXL120050HMOFA	95.5	71.3	59.1	52.4	41.0	31.9	26.4	15.4	10.7	7.78	5.39	4.61	2.55
XL12V70	NAXL120070HMOFA	145	109	86.3	75.2	56.6	42.6	33.1	20.9	15.5	10.3	6.97	5.82	3.11
XL12V85	NAXL120085HMOFA	161	122	102	92.0	72.6	54.5	44.4	27.3	20.1	13.5	9.13	7.76	4.14

1.85 Vpc – Discharge in A at 20 °C														
Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	409	315	265	224	168	125	103	60.3	43.3	30.7	20.4	17.0	8.95
XL12V50	NAXL120050HMOFA	124	87.1	68.5	59.4	46.0	35.5	28.7	17.0	12.2	8.49	5.71	4.83	2.66
XL12V70	NAXL120070HMOFA	179	129	101	87.6	63.2	47.1	37.5	23.0	16.8	11.2	7.56	6.30	3.35
XL12V85	NAXL120085HMOFA	201	147	121	105	81.4	60.4	49.7	29.9	22.2	14.9	9.86	8.16	4.34

1.80 Vpc – Discharge in A at 20 °C														
Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	482	355	289	242	181	135	110	63.8	46.7	32.2	21.4	17.9	9.37
XL12V50	NAXL120050HMOFA	145	99.2	77.9	67.3	51.0	38.6	30.7	18.5	13.6	8.90	5.91	5.04	2.77
XL12V70	NAXL120070HMOFA	203	142	110	94.3	68.2	51.1	40.6	24.6	17.8	12.0	8.04	6.66	3.59
XL12V85	NAXL120085HMOFA	234	168	134	116	88.0	64.7	52.6	31.0	23.1	15.7	10.3	8.57	4.54

1.75 Vpc – Discharge in A at 20 °C														
Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	540	385	309	256	189	141	114	66.0	48.1	33.1	22.0	18.3	9.68
XL12V50	NAXL120050HMOFA	162	107	82.6	70.2	53.0	39.6	31.2	19.0	13.9	9.11	6.02	5.15	2.88
XL12V70	NAXL120070HMOFA	222	154	116	100	71.5	53.4	42.8	25.3	18.4	12.3	8.27	6.89	3.70
XL12V85	NAXL120085HMOFA	258	178	142	121	90.2	66.9	53.9	32.1	23.9	16.1	10.7	8.77	4.64

1.70 Vpc – Discharge in A at 20 °C														
Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	592	414	327	265	194	144	116	67.4	49.0	33.9	22.4	18.7	9.79
XL12V50	NAXL120050HMOFA	174	112	86.4	73.2	54.5	40.6	31.7	19.2	14.1	9.21	6.12	5.26	2.88
XL12V70	NAXL120070HMOFA	238	161	121	103	73.8	55.7	43.8	26.0	19.0	12.4	8.39	7.01	3.82
XL12V85	NAXL120085HMOFA	289	190	148	125	92.4	68.5	55.3	32.9	24.5	16.5	10.8	8.87	4.74

1.65 Vpc – Discharge in A at 20 °C														
Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	642	430	336	272	198	146	118	68.6	50.0	34.1	22.6	18.8	9.89
XL12V50	NAXL120050HMOFA	183	116	89.2	74.7	55.5	41.1	32.2	19.4	14.3	9.31	6.12	5.26	2.88
XL12V70	NAXL120070HMOFA	253	168	126	106	76.0	56.8	44.4	26.3	19.3	12.5	8.39	7.01	3.82
XL12V85	NAXL120085HMOFA	319	201	154	129	94.6	70.1	56.7	33.6	24.9	16.7	10.9	8.87	4.74

1.60 Vpc – Discharge in A at 20 °C														
Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	672	446	348	279	201	148	120	69.1	50.3	34.2	22.7	18.8	9.89
XL12V50	NAXL120050HMOFA	190	120	91.1	76.2	56.5	41.6	32.7	19.6	14.4	9.31	6.12	5.26	2.88
XL12V70	NAXL120070HMOFA	264	172	130	109	78.2	58.0	45.6	26.6	19.4	12.5	8.39	7.01	3.82
XL12V85	NAXL120085HMOFA	334	208	158	131	96.2	71.2	57.5	33.9	25.1	16.7	10.9	8.87	4.74

Figures are also valid for UL 94-V0 version.
 Change "H" to "V" in the part number.

E.g.:
 Standard NAXL120085 **H** M0MA
 UL 94-V0 NAXL120085 **V** M0MA

1.90 Vpc – Discharge in W/block at 20 °C

Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	1680	1570	1310	1120	876	683	565	334	246	155	106	91.8	50.9
XL12V50	NAXL120050HMOFA	1064	820	699	597	483	376	314	186	134	92.3	64.1	53.9	29.6
XL12V70	NAXL120070HMOFA	1640	1230	1000	836	657	498	398	240	177	121	81.6	69.9	38.5
XL12V85	NAXL120085HMOFA	1770	1380	1180	1070	854	647	534	327	244	152	106	91.7	48.7

1.85 Vpc – Discharge in W/block at 20 °C

Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	2140	1880	1520	1270	978	750	629	366	268	173	117	97.9	55.1
XL12V50	NAXL120050HMOFA	1335	975	813	691	545	412	338	204	147	101	69.6	58.2	31.7
XL12V70	NAXL120070HMOFA	1970	1430	1140	948	730	549	443	269	199	131	88.5	74.6	41.1
XL12V85	NAXL120085HMOFA	2110	1630	1370	1220	943	712	589	358	266	168	116	98.8	52.8

1.80 Vpc – Discharge in W/block at 20 °C

Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	2510	2130	1680	1390	1040	796	661	387	285	181	121	101	57.2
XL12V50	NAXL120050HMOFA	1560	1115	904	762	590	443	359	218	158	106	72.8	60.3	32.3
XL12V70	NAXL120070HMOFA	2190	1570	1250	1020	780	586	473	283	210	140	91.9	77.5	42.3
XL12V85	NAXL120085HMOFA	2370	1860	1540	1330	1020	759	622	375	276	177	121	102	54.7

1.75 Vpc – Discharge in W/block at 20 °C

Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	2740	2280	1780	1460	1090	830	688	398	293	187	124	102	58.1
XL12V50	NAXL120050HMOFA	1690	1185	958	801	612	455	365	222	162	109	75.0	60.9	32.6
XL12V70	NAXL120070HMOFA	2360	1670	1320	1070	817	616	495	289	215	143	94.2	79.2	42.9
XL12V85	NAXL120085HMOFA	2680	2000	1600	1380	1050	780	640	380	282	182	123	103	55.6

1.70 Vpc – Discharge in W/block at 20 °C

Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	2960	2420	1860	1510	1110	838	696	403	297	191	127	103	58.6
XL12V50	NAXL120050HMOFA	1795	1240	990	829	629	461	371	225	165	110	76.1	61.4	32.9
XL12V70	NAXL120070HMOFA	2490	1740	1350	1100	831	631	506	293	218	145	95.4	80.4	43.1
XL12V85	NAXL120085HMOFA	2940	2110	1660	1400	1060	791	649	385	286	184	124	104	55.9

1.65 Vpc – Discharge in W/block at 20 °C

Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	3160	2480	1900	1530	1120	844	701	407	301	193	128	104	58.8
XL12V50	NAXL120050HMOFA	1860	1270	1010	839	634	464	374	227	167	110	76.1	61.4	33.2
XL12V70	NAXL120070HMOFA	2600	1780	1380	1120	845	638	511	296	220	146	96.5	80.4	43.2
XL12V85	NAXL120085HMOFA	3200	2210	1700	1420	1070	801	657	388	288	185	125	105	56.1

1.60 Vpc – Discharge in W/block at 20 °C

Type	Part number	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h	20 h
XL6V180	NAXL060180HMOFA	3260	2530	1940	1540	1130	848	704	409	303	194	128	104	58.8
XL12V50	NAXL120050HMOFA	1895	1290	1010	850	640	466	376	228	168	110	76.1	61.4	33.4
XL12V70	NAXL120070HMOFA	2680	1810	1400	1130	859	646	517	298	221	146	96.5	80.4	43.3
XL12V85	NAXL120085HMOFA	3310	2270	1740	1440	1080	810	663	391	290	186	125	105	56.2

GNB[®] INDUSTRIAL POWER



Exide Technologies, with operations in more than 80 countries, is one of the world's largest producers and recyclers of lead-acid batteries. Exide provides a comprehensive and customized range of stored electrical energy solutions.

Based on over 100 years of experience in the development of innovative technologies, Exide is an esteemed partner of OEMs and serves the spare parts market for industrial and transportation applications. The GNB Industrial Power business unit offers an extensive range of storage products and services, including solutions for

telecommunications systems, railway applications, mining, photovoltaic (solar energy), uninterruptible power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

Exide Technologies takes pride in its commitment to a better environment. Its Total Battery Management programme, (an integrated approach to manufacturing, distributing and recycling of lead-acid batteries), has been developed to ensure a safe and responsible life cycle for all of its products.