MARATHON™

Industrial Batteries – Marathon L

Reliable and safe energy in long-term storage.

EXIDE TECHNOLOGIES

This well-proven battery system guarantees safety at all times.

Specifications

- Marathon L provides a solid safety package for storing electrical energy within the AGM range
- Excellent high current performance combined with high service life
- Maintenance-free during their whole service life
- Nominal capacity 14 - 575 Ah
- 12 years design life for blocs/cells at 20°C ambient temperature (80% remaining capacity)
- Optional case material acc. to UL 94 V-0
- 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
- Proof against deep discharge according to DIN 43 539 T5
- Trouble-free transportation of operational blocs and cells, no restrictions for most rail, road, sea and air transportation (IATA, DGR clause A 67)
- Completely recyclable

More power for network power.

Applications

Various capacities make the Marathon L supremely versatile for applications such as telecommunications, emergency lighting, railways, utilities and other safety power supplies.

Valve regulated lead acid batteries

Grid plate

Nominal capacity 14 - 575 Ah

Bloc battery

Single cell

Design life: 12 years

Maintenance-free

Proof against deep discharge acc. to DIN 43 539 T5

Recyclable

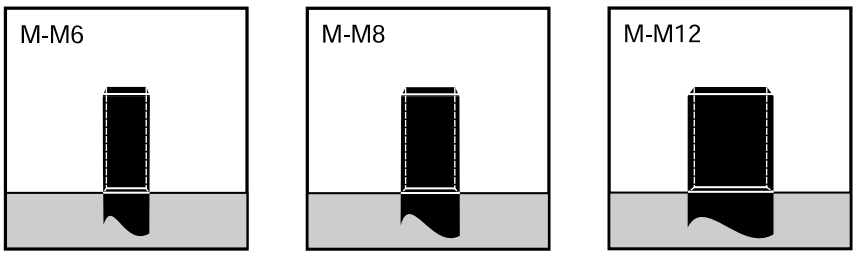
Special high current performance

Type	Part number	Nominal voltage	Capacity C 20 1.8VpC 20°C	Capacity C10 1.8VpC 20°C	Capacity C1 1.6VpC 20°C	Length[1] x Width[1] x Height[1]			Weight	Internal resistance	Terminal
	Standard	V	Ah	Ah	Ah	mm			approx. kg	m Ω	
L12V15	NALL120015HM0MA	12	14.4	14.0	9.9	181	76	167	6.5	14.00	Male M6
L12V32	NALL120032HM0MA	12	33.0	31.5	21.4	198	168	175	13.5	8.00	Male M6
L12V42	NALL120042HM0MA	12	44.0	42.0	29.4	234	169	190	18.5	7.00	Male M8
L12V55	NALL120055HM0MA	12	58.0	55.0	36.0	272	166	190	22.0	5.80	Male M8
L12V80	NALL120080HM0MA	12	84.0	80.0	51.2	359	172	226	30.0	4.20	Male M8
L6V110	NALL060110HM0MA	6	118.0	112.0	75.5	272	166	190	23.0	1.60	Male M8
L6V160	NALL060160HM0MA	6	170.0	162.0	111.5	359	171	226	31.5	1.30	Male M8
L2V220	NALL020220HM0MA	2	236.0	220.0	150.0	208	135	282	16.0	0.35	Male M12
L2V270	NALL020270HM0MA	2	289.0	270.0	183.0	208	135	282	18.3	0.28	Male M12
L2V320	NALL020320HM0MA	2	346.0	320.0	225.0	208	201	282	24.2	0.22	2xMale M12
L2V375	NALL020375HM0MA	2	404.0	375.0	262.0	208	201	282	26.5	0.18	2xMale M12
L2V425	NALL020425HM0MA	2	456.0	425.0	291.0	208	201	282	28.8	0.15	2xMale M12
L2V470	NALL020470HM0MA	2	507.0	470.0	324.0	208	270	282	32.6	0.14	2xMale M12
L2V520	NALL020520HM0MA	2	559.0	520.0	357.0	208	270	282	35.0	0.13	2xMale M12
L2V575	NALL020575HM0MA	2	618.0	575.0	394.0	208	270	282	37.3	0.11	2xMale M12

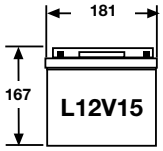
(1): +/-1mm

Data are also valid for UL 94 V-0 version.
Change „H“ to „V“ in the part number.
E.g.:
Standard *NALL120015**H**M0MA*
UL 94 V-0 *NALL120015**V**M0MA*

Terminal and torque



6 Nm **8 Nm** **25 Nm**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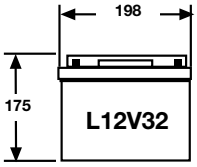
L12V15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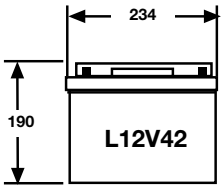
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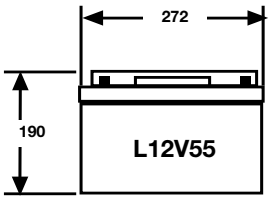
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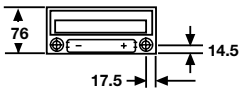
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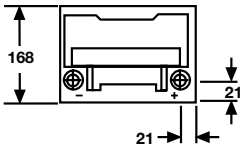
17.5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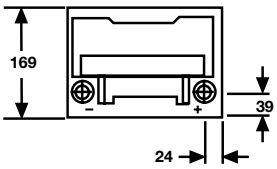
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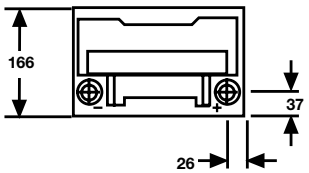
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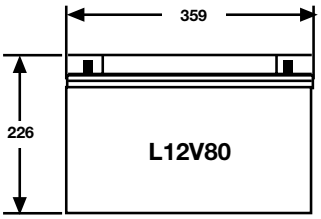
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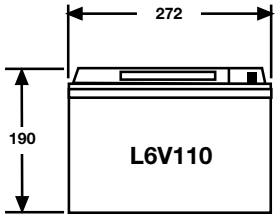
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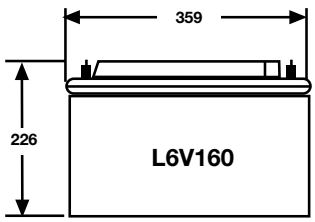
L6V110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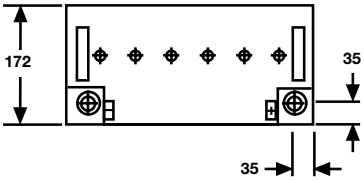
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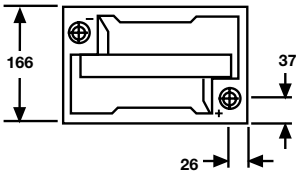
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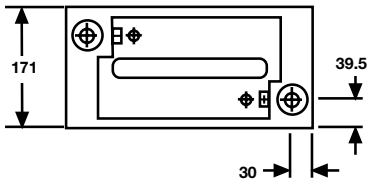
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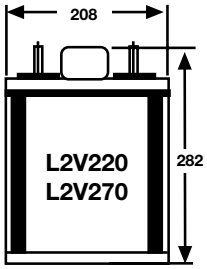
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L2V270
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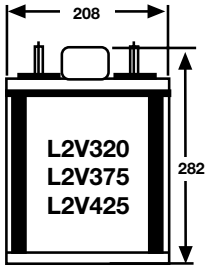
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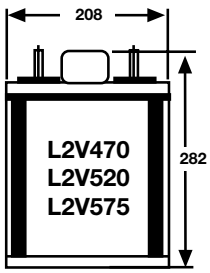
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L2V520
L2V575
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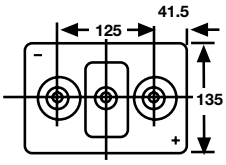
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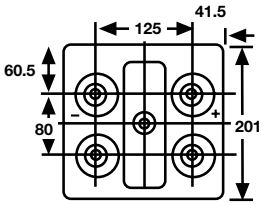
125
135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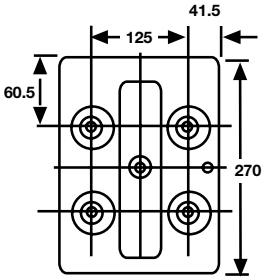
125
60.5
80
201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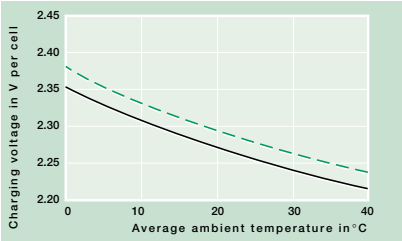
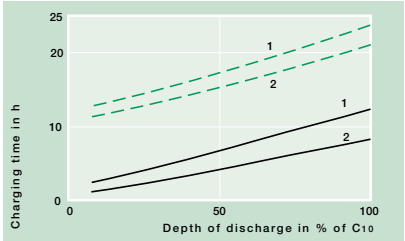
125
60.5
270



--- max. permissible voltage for continuous charging

—— optimum voltage for continuous charging

For continuous charging we recommend a voltage of 2.27 V/cell at 20°C. The charging voltage must be compensated to the curve for a continuously different battery ambient temperature.

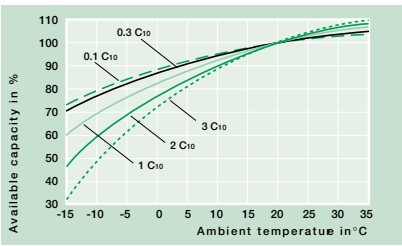


1: 0.1 C10
2: 0.2 C10

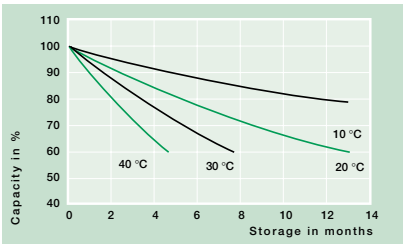
--- State of charge 100%

— State of charge 90%

Recharging time in relation to initial charging current.
For 2.27 V/cell at 20°C.



Available capacity in relation to the ambient temperature.



Self-discharge in relation to the storage temperature.