

With over 100 years of experience in the design and manufacturing of NiCd batteries, supported by a tradition of continuous improvement and technical development, EnerSys<sup>®</sup> offers a world-leading range of solutions to suit varying applications. Cost effectiveness, safety and durability make the PowerSafe<sup>®</sup> RL battery range one of the most reliable and powerful systems on the market.

PowerSafe RL pocket plate cells are suitable for industrial applications requiring proven reliability and the highest safety integrity. The RL range is optimized for applications covering discharges of 1 hour to 100 hours or more.

PowerSafe RL batteries provide an exceptionally long life at extreme temperatures, such as in the solar and wind generation markets. Its low maintenance requirements make it an ideal solution for off-grid, outside plants, railroads, oil and gas refiner pump stations and switchgear applications.

## BATTERY RANGE SUMMARY

### Features & Benefits

- Capacity range: 11Ah - 1500Ah
- Recommended discharge time: 1 hr to 100 hr
- Excellent resistance against electrical and mechanical stress
- No risks of terminal decomposition or catastrophic failure due to the plate construction
- Proven long service life: 20 years in stationary cycling operations
- Operational temperature: -40°F (-40°C) to 122°F (50°C)
- Long storage life
- Robust construction
- Sufficient electrolyte reserve - long maintenance interval
- Translucent plastic cases for visible electrolyte level
- Conforms to IEC60623/KL...P



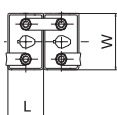
## General Specifications

PowerSafe® Battery Type	Capacity (Ah) as per IEC60623 cl. 1.3.3. C5Ah	Nominal Dimensions						Weight				Terminal		
		Length		Width		Height		Without Electrolyte		Total Weight				
		mm	in	mm	in	mm	in	mm	in	kg	lbs	kg	lbs	
RL 11	11	46	1.8	85	3.3	237	9.3	257	10.1	0.75	1.7	1.30	2.9	M10 M
RL 18	18	46	1.8	85	3.3	237	9.3	257	10.1	0.92	2.0	1.41	3.1	M10 M
RL 24	24	46	1.8	85	3.3	237	9.3	257	10.1	1.12	2.5	1.51	3.3	M10 M
RL 30	30	46	1.8	85	3.3	237	9.3	257	10.1	1.27	2.8	1.64	3.6	M10 M
RL 40	40	85	3.3	85	3.3	237	9.3	257	10.1	1.80	4.0	2.68	5.9	M10 M
RL 45	45	85	3.3	85	3.3	237	9.3	257	10.1	1.92	4.2	2.80	6.2	M10 M
RL 55	55	85	3.3	85	3.3	237	9.3	257	10.1	2.05	4.5	2.82	6.2	M10 M
RL 65	65	85	3.3	85	3.3	237	9.3	257	10.1	2.30	5.1	2.97	6.5	M10 M
RL 80	80	69	2.7	134	5.3	364	14.3	394	15.5	3.37	7.4	5.32	11.7	M16 M
RL 100	100	69	2.7	134	5.3	364	14.3	394	15.5	3.78	8.3	5.61	12.4	M16 M
RL 120	120	69	2.7	134	5.3	364	14.3	394	15.5	3.96	8.7	5.74	12.7	M16 M
RL 140	140	69	2.7	134	5.3	364	14.3	394	15.5	4.47	9.9	6.07	13.4	M16 M
RL 150	150	70	2.8	164	6.6	364	14.3	394	15.5	4.90	10.8	7.10	15.7	M16 M
RL 160	160	108	4.3	164	6.6	364	14.3	394	15.5	5.70	12.6	9.80	21.6	M16 M
RL 185	185	108	4.3	164	6.6	364	14.3	394	15.5	6.33	14.0	9.99	22.0	M16 M
RL 200	200	108	4.3	164	6.6	364	14.3	394	15.5	6.69	14.7	10.35	22.8	M16 M
RL 230	230	108	4.3	164	6.6	364	14.3	394	15.5	7.50	16.5	10.80	23.8	M16 M
RL 270	270	108	4.3	164	6.6	364	14.3	394	15.5	8.32	18.3	11.26	24.8	M16 M
RL 300	300	108	4.3	164	6.6	364	14.3	394	15.5	9.14	20.1	11.72	25.8	M16 M
RL 340	340	158	6.2	164	6.6	364	14.3	392	15.5	11.40	25.1	16.60	36.6	M10 F
RL 370	370	158	6.2	164	6.6	364	14.3	392	15.5	12.20	26.9	17.10	37.7	M10 F
RL 400	400	158	6.2	164	6.6	364	14.3	392	15.5	13.00	28.7	17.70	39.0	M10 F
RL 435	435	158	6.2	164	6.6	364	14.3	392	15.5	13.80	30.4	18.20	40.1	M10 F
RL 470	470	158	6.2	164	6.6	364	14.3	392	15.5	14.60	32.2	18.80	41.4	M10 F
RL 520	520	176	6.9	246	9.7	382	15.0	408	16.1	18.30	40.3	26.70	58.9	M10 F
RL 560	560	176	6.9	246	9.7	382	15.0	408	16.1	18.80	41.4	27.20	60.0	M10 F
RL 625	625	176	6.9	246	9.7	382	15.0	408	16.1	20.40	45.0	28.30	62.4	M10 F
RL 650	650	176	6.9	368	14.5	382	15.0	408	16.1	23.70	52.2	37.00	81.6	M10 F
RL 740	740	176	6.9	368	14.5	382	15.0	408	16.1	25.90	57.1	38.60	85.1	M10 F
RL 840	840	176	6.9	368	14.5	382	15.0	408	16.1	28.10	61.9	40.60	89.5	M10 F
RL 1000	1000	176	6.9	448	17.6	382	15.0	408	16.1	39.30	86.6	52.50	115.7	M10 F
RL 1250	1250	176	6.9	558	22.0	382	15.0	408	16.1	42.50	93.7	62.00	136.7	M10 F
RL 1500	1500	176	6.9	558	22.0	382	15.0	408	16.1	48.90	107.8	66.40	146.4	M10 F

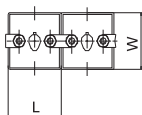
\* Includes height over terminals

## Battery Layout

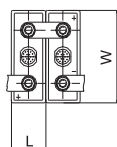
RL 11 - RL 30



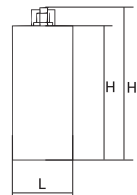
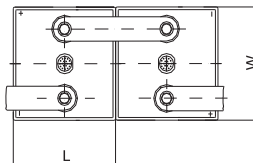
RL 40 - RL 65



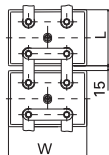
RL 80 - RL 300



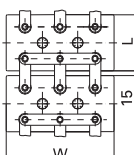
RL 340 - RL 470



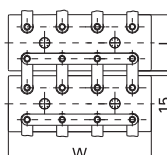
RL 520 - RL 625



RL 650 - RL 840



RL 1000 - RL 1500



**EnerSys**  
2366 Bernville Road  
Reading, PA 19605  
USA  
Tel: +1-610-208-1991  
+1-800-538-3627  
Fax: +1-610-372-8613

**EnerSys EMEA**  
EH Europe GmbH  
Löwenstrasse 32  
8001 Zurich,  
Switzerland

**EnerSys Asia**  
152 Beach Road  
Gateway East Building  
Level 11  
189721 Singapore  
Tel: +65 6508 1780

Contact:

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