

**PowerSafe<sup>®</sup>**  
**RE**

*100% Initial Capacity*

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**BATTERY  
PERFORMANCE  
SPECIFICATIONS**

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**EnerSys<sup>®</sup>**

*Power/Full Solutions*

RESERVE  
POWER





The EnerSys® range of PowerSafe® RE batteries has been designed for use in renewable energy applications.

PowerSafe RE batteries benefit from the square tubular plate when compared to both round tube and flat plate battery designs. The PowerSafe RE battery's square tubes provide more surface area on the positive plate, exposing more positive plate active material to the electrolyte. This combination of greater positive surface area and electrolyte allow for excellent cycling capacity and make PowerSafe RE batteries the perfect choice for the demanding cycling required in renewable energy applications.

The PowerSafe RE battery comes in individual cells 207-2208 Ah in plastic trays with lifting handle or 6 cell units in steel trays up to 384-2208 Ah. The PowerSafe RE battery provides a wide range of power making this an ideal choice for your renewable energy needs.

The PowerSafe RE battery has a float level indicator letting the customer know when the electrolyte level is low and water must be added. The ample watering space makes watering something that has to be done every 6 months. The PowerSafe RE battery comes equipped with flag terminals.

## General Specifications

PowerSafe® Model Number RE battery	20hr 77°F/25°C 1.75 Vpc	Length		Width		Height		Weight	
		Inches	mm	Inches	mm	Inches	mm	lbs	kg
1RE055-07	207	5.4	138	6.6	168	18.9	479	35	16
1RE055-09	276	5.4	138	6.6	168	18.9	479	40	18
1RE055-11	345	5.4	138	6.6	168	18.9	479	45	20
1RE055-15	483	8.4	214	6.7	170	18.9	479	65	30
1RE055-19	621	8.4	214	6.7	170	18.9	479	80	36
1RE055-21	690	8.7	220	7.0	178	19.2	487	95	43
1RE085-17	768	7.2	182	7.0	178	24.9	632	107	49
1RE085-19	864	7.9	201	7.0	178	24.9	632	119	54
1RE085-21	960	8.7	220	7.0	178	24.9	632	132	60
1RE085-23	1056	9.4	240	7.0	178	24.9	632	145	66
1RE085-25	1152	10.2	259	7.0	178	24.9	632	158	72
1RE085-27	1248	10.9	278	7.0	178	24.9	632	170	77
1RE085-29	1344	11.7	297	7.0	178	24.9	632	184	84
1RE085-31	1440	12.4	316	7.0	178	24.9	632	194	88
1RE085-33	1536	13.2	335	7.0	178	24.9	632	205	93
1RE125-17	1104	7.2	182	7.0	178	32.4	823	150	68
1RE125-19	1242	7.9	201	7.0	178	32.4	823	168	76
1RE125-21	1380	8.7	220	7.0	178	32.4	823	184	84
1RE125-23	1518	9.4	240	7.0	178	32.4	823	202	92
1RE125-25	1656	10.2	259	7.0	178	32.4	823	220	100
1RE125-27	1794	10.9	278	7.0	178	32.4	823	236	107
1RE125-29	1932	11.7	297	7.0	178	32.4	823	252	115
1RE125-31	2070	12.4	316	7.0	178	32.4	823	268	122
1RE125-33	2208	13.2	335	7.0	178	32.4	823	284	129

PowerSafe® Model Number RE battery	20hr 77°F/25°C 1.75 Vpc	Length		Width		Height		Weight	
		Inches	mm	Inches	mm	Inches	mm	lbs	kg
6RE085-09	384	24.2	615	6.62	168	24.8	630	342	155
6RE085-11	480	28.7	729	6.62	168	24.8	630	420	191
6RE085-13	576	33.2	843	6.62	168	24.8	630	492	224
6RE085-15	672	37.7	958	6.62	168	24.8	630	564	256
6RE085-17	768	40.7	1034	6.62	168	24.8	630	642	292
6RE085-19	864	40.7	1034	7.6	193	24.8	630	714	325
6RE085-21	960	40.7	1034	8.37	213	24.8	630	792	360
6RE085-23	1056	40.7	1034	9.12	232	24.8	630	870	395
6RE085-25	1152	40.7	1034	9.87	251	24.8	630	948	431
6RE085-27	1248	40.7	1034	10.62	270	24.8	630	1020	464
6RE085-29	1344	40.7	1034	11.37	289	24.8	630	1104	502
6RE085-31	1440	40.7	1034	12.12	308	24.8	630	1164	529
6RE085-33	1536	40.7	1034	12.87	327	24.8	630	1230	559
6RE125-09	552	24.2	615	6.62	168	32.2	818	498	226
6RE125-11	690	28.7	729	6.62	168	32.2	818	600	273
6RE125-13	828	33.2	843	6.62	168	32.2	818	696	316
6RE125-15	966	37.7	958	6.62	168	32.2	818	792	360
6RE125-17	1104	40.7	1034	6.62	168	32.2	818	900	409
6RE125-19	1242	40.7	1034	7.6	193	32.2	818	1008	458
6RE125-21	1380	40.7	1034	8.37	213	32.2	818	1104	502
6RE125-23	1518	40.7	1034	9.12	232	32.2	818	1212	551
6RE125-25	1656	40.7	1034	9.87	251	32.2	818	1320	600
6RE125-27	1794	40.7	1034	10.62	270	32.2	818	1416	644
6RE125-29	1932	40.7	1034	11.37	289	32.2	818	1512	687
6RE125-31	2070	40.7	1034	12.12	308	32.2	818	1608	731
6RE125-33	2208	40.7	1034	12.87	327	32.2	818	1704	775

Discharge Rates in Amperes\*\* to 1.90Vpc at 25°C (77°F)\*

PowerSafe® Model Number RE battery	Hours										
	6	8	10	12	20	24	48	72	100	120	240
RE055-07	23.6	18.4	15.2	13.0	8.3	7.1	3.9	2.7	2.1	1.8	1.0
RE055-09	31.5	24.6	20.2	17.3	11.1	9.5	5.2	3.7	2.8	2.4	1.3
RE055-11	39.3	30.7	25.3	21.6	13.9	11.9	6.5	4.6	3.4	2.9	1.6
RE055-15	55.1	43.0	35.4	30.2	19.4	16.6	9.1	6.4	4.8	4.1	2.3
RE055-19	70.8	55.2	45.5	38.9	25.0	21.3	11.7	8.2	6.2	5.3	2.9
RE055-21	78.7	61.4	50.6	43.2	27.8	23.7	13.0	9.2	6.9	5.9	3.2
RE085-9	43.7	33.8	27.7	23.5	14.9	12.6	6.8	4.7	3.5	3.0	1.6
RE085-11	54.7	42.3	34.6	29.4	18.6	15.8	8.5	5.9	4.4	3.7	2.0
RE085-13	65.6	50.7	41.5	35.3	22.3	19.0	10.2	7.1	5.3	4.5	2.4
RE085-15	76.5	59.2	48.4	41.1	26.0	22.1	11.9	8.3	6.2	5.2	2.8
RE085-17	87.5	67.6	55.4	47.0	29.8	25.3	13.6	9.4	7.0	6.0	3.2
RE085-19	98.4	76.1	62.3	52.9	33.5	28.4	15.3	10.6	7.9	6.7	3.6
RE085-21	109.3	84.5	69.2	58.8	37.2	31.6	17.0	11.8	8.8	7.5	4.0
RE085-23	120.3	93.0	76.1	64.6	40.9	34.7	18.7	13.0	9.7	8.2	4.4
RE085-25	131.2	101.4	83.0	70.5	44.6	37.9	20.4	14.2	10.6	9.0	4.8
RE085-27	142.1	109.9	90.0	76.4	48.4	41.1	22.1	15.3	11.4	9.7	5.2
RE085-29	153.1	118.3	96.9	82.3	52.1	44.2	23.8	16.5	12.3	10.5	5.6
RE085-31	164.0	126.8	103.8	88.1	55.8	47.4	25.5	17.7	13.2	11.2	6.0
RE085-33	174.9	135.2	110.7	94.0	59.5	50.5	27.2	18.9	14.1	12.0	6.4
RE125-9	60.0	46.7	38.4	32.7	21.0	17.9	9.8	6.8	5.1	4.4	2.4
RE125-11	75.0	58.3	48.0	40.9	26.2	22.3	12.2	8.6	6.4	5.5	3.0
RE125-13	90.0	70.0	57.6	49.1	31.4	26.8	14.6	10.3	7.7	6.6	3.6
RE125-15	105.0	81.6	67.2	57.3	36.7	31.3	17.1	12.0	9.0	7.7	4.2
RE125-17	120.0	93.3	76.8	65.5	41.9	35.7	19.5	13.7	10.3	8.8	4.8
RE125-19	135.0	105.0	86.4	73.7	47.2	40.2	21.9	15.4	11.6	9.9	5.4
RE125-21	150.0	116.6	96.0	81.8	52.4	44.7	24.4	17.1	12.8	11.0	6.0
RE125-23	165.0	128.3	105.6	90.0	57.6	49.1	26.8	18.8	14.1	12.0	6.6
RE125-25	180.0	140.0	115.2	98.2	62.9	53.6	29.3	20.5	15.4	13.1	7.2
RE125-27	195.0	151.6	124.8	106.4	68.1	58.1	31.7	22.2	16.7	14.2	7.8
RE125-29	210.0	163.3	134.4	114.6	73.4	62.5	34.1	24.0	18.0	15.3	8.4
RE125-31	225.0	174.9	144.0	122.8	78.6	67.0	36.6	25.7	19.3	16.4	9.0
RE125-33	240.0	186.6	153.6	130.9	83.8	71.5	39.0	27.4	20.5	17.5	9.6

Discharge Rates in Amperes\*\* to 1.85Vpc at 25°C (77°F)\*

PowerSafe® Model Number RE battery	Hours							
	6	8	10	12	20	24	48	72
RE055-07	24.9	19.7	16.5	14.2	9.4	8.1	4.6	3.3
RE055-09	33.2	26.3	22.0	18.9	12.5	10.8	6.2	4.4
RE055-11	41.5	32.9	27.5	23.7	15.7	13.5	7.7	5.5
RE055-15	58.1	46.0	38.4	33.1	21.9	18.9	10.8	7.8
RE055-19	74.7	59.2	49.4	42.6	28.2	24.3	13.9	10.0
RE055-21	83.0	65.8	54.9	47.3	31.3	27.0	15.4	11.1
RE085-9	47.3	37.1	30.8	26.5	17.2	14.8	8.3	5.9
RE085-11	59.2	46.4	38.5	33.1	21.6	18.5	10.3	7.4
RE085-13	71.0	55.7	46.3	39.7	25.9	22.2	12.4	8.8
RE085-15	82.8	65.0	54.0	46.3	30.2	25.9	14.5	10.3
RE085-17	94.7	74.3	61.7	52.9	34.5	29.6	16.5	11.8
RE085-19	106.5	83.6	69.4	59.5	38.8	33.3	18.6	13.2
RE085-21	118.3	92.9	77.1	66.2	43.1	37.0	20.7	14.7
RE085-23	130.2	102.2	84.8	72.8	47.4	40.7	22.7	16.2
RE085-25	142.0	111.5	92.5	79.4	51.7	44.4	24.8	17.6
RE085-27	153.8	120.7	100.2	86.0	56.0	48.0	26.9	19.1
RE085-29	165.7	130.0	107.9	92.6	60.3	51.7	28.9	20.6
RE085-31	177.5	139.3	115.7	99.3	64.7	55.4	31.0	22.1
RE085-33	189.3	148.6	123.4	105.9	69.0	59.1	33.1	23.5
RE125-9	65.8	52.0	43.2	37.2	24.5	21.1	11.9	8.5
RE125-11	82.3	64.9	54.0	46.5	30.6	26.3	14.9	10.7
RE125-13	98.7	77.9	64.9	55.9	36.7	31.6	17.9	12.8
RE125-15	115.2	90.9	75.7	65.2	42.8	36.8	20.8	14.9
RE125-17	131.6	103.9	86.5	74.5	48.9	42.1	23.8	17.1
RE125-19	148.1	116.9	97.3	83.8	55.0	47.4	26.8	19.2
RE125-21	164.5	129.9	108.1	93.1	61.2	52.6	29.8	21.3
RE125-23	180.9	142.9	118.9	102.4	67.3	57.9	32.7	23.5
RE125-25	197.4	155.8	129.7	111.7	73.4	63.2	35.7	25.6
RE125-27	213.9	168.8	140.5	121.0	79.5	68.4	38.7	27.7
RE125-29	230.3	181.8	151.3	130.3	85.6	73.7	41.7	29.9
RE125-31	246.8	194.8	162.2	139.6	91.7	78.9	44.7	32.0
RE125-33	263.2	207.8	173.0	148.9	97.8	84.2	47.6	34.1

\*Suffix number indicates total plates per cell. Prefix indicates number of cells per jar.  
 \*\*0.25" must be added between cells for spacing purposes when calculating total battery length.

Discharge Rates in Amperes\*\* to 1.80Vpc at 25°C (77°F)\*

PowerSafe® Model Number RE battery	Hours						
	6	8	10	12	20	24	48
RE055-07	26.8	21.2	17.7	15.3	10.1	8.7	5.0
RE055-09	35.7	28.3	23.6	20.3	13.4	11.6	6.6
RE055-11	44.6	35.3	29.5	25.4	16.8	14.5	8.3
RE055-15	62.4	49.4	41.3	35.6	23.5	20.3	11.6
RE055-19	80.3	63.6	53.1	45.8	30.2	26.1	14.9
RE055-21	89.2	70.6	59.0	50.8	33.6	29.0	16.5
RE085-09	51.8	40.5	33.5	28.6	18.5	15.8	8.7
RE085-11	64.8	50.6	41.9	35.8	23.1	19.8	10.9
RE085-13	77.7	60.8	50.2	43.0	27.7	23.7	13.1
RE085-15	90.7	70.9	58.6	50.1	32.3	27.7	15.3
RE085-17	103.6	81.0	67.0	57.3	37.0	31.6	17.5
RE085-19	116.6	91.1	75.3	64.4	41.6	35.6	19.7
RE085-21	129.5	101.3	83.7	71.6	46.2	39.5	21.9
RE085-23	142.4	111.4	92.1	78.7	50.8	43.5	24.0
RE085-25	155.4	121.5	100.4	85.9	55.4	47.5	26.2
RE085-27	168.3	131.6	108.8	93.1	60.1	51.4	28.4
RE085-29	181.3	141.8	117.2	100.2	64.7	55.4	30.6
RE085-31	194.3	151.9	125.6	107.4	69.3	59.3	32.8
RE085-33	207.2	162.0	133.9	114.5	73.9	63.3	35.0
RE125-09	73.5	57.6	47.6	40.8	26.4	22.6	12.6
RE125-11	91.9	72.0	59.5	51.0	33.0	28.3	15.7
RE125-13	110.3	86.4	71.5	61.2	39.6	34.0	18.8
RE125-15	128.7	100.8	83.4	71.4	46.2	39.6	22.0
RE125-17	147.1	115.2	95.3	81.6	52.8	45.3	25.1
RE125-19	165.4	129.6	107.2	91.8	59.4	50.9	28.2
RE125-21	183.8	144.0	119.1	102.0	66.0	56.6	31.4
RE125-23	202.2	158.4	131.0	112.2	72.7	62.2	34.5
RE125-25	220.6	172.8	142.9	122.4	79.3	67.9	37.6
RE125-27	239.0	187.2	154.8	132.6	85.9	73.6	40.8
RE125-29	257.4	201.6	166.7	142.8	92.5	79.2	43.9
RE125-31	275.8	216.0	178.7	153.0	99.1	84.9	47.1
RE125-33	294.1	230.4	190.6	163.2	105.7	90.5	50.2

Discharge Rates in Amperes\*\* to 1.75Vpc at 25°C (77°F)\*

PowerSafe® RE battery Model Number	Hours					
	6	8	10	12	20	24
RE055-07	28.0	22.1	18.3	15.8	10.4	8.9
RE055-09	37.3	29.4	24.4	21.0	13.8	11.9
RE055-11	46.6	36.8	30.6	26.3	17.3	14.9
RE055-15	65.2	51.5	42.8	36.8	24.1	20.8
RE055-19	83.8	66.2	55.0	47.3	31.1	26.7
RE055-21	93.2	73.5	61.1	52.6	34.5	29.7
RE085-9	54.7	42.6	35.1	29.9	19.2	16.4
RE085-11	68.3	53.3	43.9	37.4	24.0	20.5
RE085-13	82.0	63.9	52.6	44.9	28.8	24.6
RE085-15	95.7	74.5	61.4	52.4	33.6	28.7
RE085-17	109.3	85.2	70.2	59.9	38.4	32.8
RE085-19	123.0	95.8	78.9	67.3	43.2	36.9
RE085-21	136.7	106.5	87.7	74.8	48.0	41.0
RE085-23	150.3	117.2	96.5	82.3	52.8	45.1
RE085-25	164.0	127.8	105.2	89.8	57.6	49.2
RE085-27	177.7	138.4	114.0	97.3	62.4	53.3
RE085-29	191.3	149.1	122.8	104.8	67.2	57.4
RE085-31	205.0	159.8	131.6	112.3	72.0	61.5
RE085-33	218.7	170.4	140.3	119.7	76.8	65.6
RE125-9	78.6	61.3	50.4	43.0	27.6	23.6
RE125-11	98.3	76.6	63.0	53.8	34.5	29.4
RE125-13	117.9	91.9	75.7	64.5	41.4	35.3
RE125-15	137.6	107.2	88.3	75.3	48.3	41.2
RE125-17	157.2	122.5	100.9	86.1	55.2	47.1
RE125-19	176.8	137.8	113.5	96.8	62.1	53.0
RE125-21	196.5	153.1	126.1	107.6	69.0	58.9
RE125-23	216.2	168.4	138.7	118.3	75.9	64.8
RE125-25	235.8	183.8	151.3	129.1	82.8	70.7
RE125-27	255.4	199.1	163.9	139.9	89.7	76.5
RE125-29	275.1	214.4	176.5	150.6	96.6	82.4
RE125-31	294.8	229.7	189.2	161.4	103.5	88.3
RE125-33	314.4	245.0	201.8	172.1	110.4	94.2

\*Suffix number indicates total plates per cell.  
Prefix indicates number of cells per jar.  
\*\*0.25" must be added between cells for spacing purposes when calculating total battery length.

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