



The Sealed Battery Specialists



**E27 SLD G**

- Sealed, recombinant battery, gel type, 12 volt, 86 amp hour, with flag terminal
- Dimensions: L=12.75" (324mm), W=6.75" (171mm), H=9.875" (251mm)
- Weight: 64 lbs. (29.1 kg)
- Color: All grey
- Maximum discharge current: 610 amps
- Watts available for one minute to 1.50 VPC: 5535
- Milliohms resistance (full charge): 4.0
- Fully charged operating temperature range: -76°F (-60°C) to 140°F (60°C)
- Float charging voltage: 13.5 to 13.8 VDC @ 68°F (20°C)
- Cycle service charging voltage: 13.8 to 14.1 VDC @ 68°F (20°C)
- Capacity at C/100: 98 amp hour

**Discharge Performance Watts  
Constant Power Per Battery @ 77°F (25°C)**

Operating Time to End Point Voltage (Minutes)	End Point Volts Per Cell				
	1.75	1.70	1.67	1.60	1.55
5	2840	3005	3110	3355	3460
10	2100	2195	2255	2390	2440
15	1675	1740	1780	1865	1900
20	1400	1445	1470	1530	1555
30	1050	1080	1090	1120	1135
40	834	857	864	881	890
50	690	708	712	722	728

**Discharge Performance AMPS  
Constant Current Amperes @ 77°F (25°C)**

Operating Time to End Point Voltage (Hours)	End Point Volts Per Cell			
	1.9	1.85	1.8	1.75
1	46.8	51.2	54.9	58.6
3	19.5	21.2	22.2	23.1
5	12.8	13.8	14.4	14.9
6	11.0	11.9	12.3	12.7
8	8.57	9.3	9.6	9.9
10	7.05	7.64	7.87	8.09
12	6.02	6.52	6.7	6.88
20	3.84	4.15	4.25	4.35
24	3.26	3.52	3.61	3.69
48	1.73	1.87	1.91	1.95
72	1.18	1.28	1.31	1.34
100	0.87	0.94	0.96	0.98

**Discharge Performance Watts  
Constant Power Per Battery @ 77°F (25°C)**

Operating Time to End Point Voltage (Minutes)	End Point Volts Per Cell				
	1.75	1.70	1.67	1.60	1.55
5	3105	3300	3370	3535	3610
10	2235	2340	2370	2435	2460
15	1775	1845	1860	1895	1910
20	1480	1535	1545	1565	1575
30	1120	1155	1160	1170	1180
40	900	928	931	938	947
50	753	776	778	784	793

**Discharge Performance AMPS  
Constant Current Amperes @ 77°F (25°C)**

Operating Time to End Point Voltage (Hours)	End Point Volts Per Cell			
	1.9	1.85	1.8	1.75
1	48.4	54.6	58.3	61.9
3	21.5	23.6	24.5	25.4
5	14.3	15.6	16.1	16.5
6	12.3	13.4	13.8	14.1
8	9.69	10.5	10.7	10.9
10	8.0	8.63	8.81	8.98
12	6.83	7.35	7.49	7.62
20	4.33	4.64	4.71	4.78
24	3.66	3.92	3.98	4.03
48	1.89	2.02	2.05	2.08
72	1.27	1.35	1.38	1.4
100	0.91	0.97	0.99	1.01



**E31 MF**

- Maintenance free, wet type, 12 volt, 95 amp hour, with flag terminal
- Dimensions: L=13" (330mm), W=6.75" (171mm), H=9.875" (251mm)
- Weight: 63 lbs. (28.6 kg)
- Color: All black
- Maximum discharge current: 960 amps
- Watts available for one minute to 1.50 VPC: 7325
- Milliohms resistance (full charge): 3.0
- Fully charged operating temperature range: -76°F (-60°C) to 140°F (60°C)
- Float charging voltage: 13.5 to 13.8 VDC @ 68°F (20°C)
- Cycle service charging voltage: 13.8 to 14.1 VDC @ 68°F (20°C)
- Capacity at C/100: 101 amp hour

**Discharge Performance Watts  
Constant Power Per Battery @ 77°F (25°C)**

Operating Time to End Point Voltage (Minutes)	End Point Volts Per Cell				
	1.75	1.70	1.67	1.60	1.55
5	3082	3261	3375	3641	3755
10	2333	2439	2506	2656	2711
15	1898	1972	2017	2114	2153
20	1624	1676	1705	1775	1804
30	1241	1276	1288	1323	1341
40	985	1013	1021	1041	1052
50	815	837	841	853	860

**Discharge Performance AMPS  
Constant Current Amperes @ 77°F (25°C)**

Operating Time to End Point Voltage (Hours)	End Point Volts Per Cell			
	1.9	1.85	1.8	1.75
1	51.2	54.9	58.6	65
3	21.2	22.2	23.1	26.2
5	13.8	14.4	14.9	16.9
6	11.9	12.3	12.7	14.2
8	9.3	9.6	9.9	11
10	7.64	7.87	8.09	8.99
12	6.52	6.7	6.88	7.72
20	4.15	4.25	4.35	4.88
24	3.52	3.61	3.69	4.1
48	1.87	1.91	1.95	2.15
72	1.28	1.31	1.34	1.48
100	0.94	0.96	0.98	1.08

**Discharge Performance Watts  
Constant Power Per Battery @ 77°F (25°C)**

Operating Time to End Point Voltage (Minutes)	End Point Volts Per Cell				
	1.75	1.70	1.67	1.60	1.55
5	3250	3485	3600	3870	3990
10	2390	2540	2595	2730	2790
15	1895	2010	2040	2110	2145
20	1570	1660	1680	1720	1745
30	1165	1230	1235	1245	1260
40	920	973	976	983	988
50	757	800	803	808	812

**Discharge Performance AMPS  
Constant Current Amperes @ 77°F (25°C)**

Operating Time to End Point Voltage (Hours)	End Point Volts Per Cell			
	1.9	1.85	1.8	1.75
1	49.5	54.3	57.4	60.5
3	20.6	22.4	23.5	24.5
5	13.5	14.6	15.2	15.8
6	11.6	12.5	13.0	13.5
8	9.06	9.8	10.1	10.4
10	7.48	8.1	8.34	8.58
12	6.38	6.91	7.1	7.29
20	4.07	4.41	4.51	4.61
24	3.46	3.75	3.83	3.91
48	1.84	2.0	2.04	2.07
72	1.26	1.38	1.4	1.42
100	0.92	1.01	1.03	1.04



**E31 SLD G**

- Sealed, recombinant battery, gel type, 12 volt, 98 amp hour, with flag terminal
- Dimensions: L=12.9375" (328mm), W=6.75" (171mm), H=9.875" (251mm)
- Weight: 73.5 lbs. (33.4 kg)
- Color: All grey
- Maximum discharge current: 660 amps
- Watts available for one minute to 1.50 VPC: 6450
- Milliohms resistance (full charge): 4.0
- Fully charged operating temperature range: -76°F (-60°C) to 140°F (60°C)
- Float charging voltage: 13.5 to 13.8 VDC @ 68°F (20°C)
- Cycle service charging voltage: 13.8 to 14.1 VDC @ 68°F (20°C)
- Capacity at C/100: 108 amp hour



**E27 SLD A**

- Sealed, recombinant battery, AGM type, 12 volt, 92 amp hour, with flag terminal
- Dimensions: L=12.75" (324mm), W=6.75" (171mm), H=9.875" (251mm)
- Weight: 63 lbs. (28.6 kg)
- Color: Grey with black top
- Maximum discharge current: 700 amps
- Watts available for one minute to 1.50 VPC: 6325
- Milliohms resistance (full charge): 3.0
- Fully charged operating temperature range: -76°F (-60°C) to 140°F (60°C)
- Float charging voltage: 13.5 to 13.8 VDC @ 68°F (20°C)
- Cycle service charging voltage: 13.8 to 14.1 VDC @ 68°F (20°C)
- Capacity at C/100: 104 amp hour

# MK Battery Delivers...

*MK Battery supplies you  
with the highest quality batteries available,  
with the service you demand.*

*We have the batteries you need in stock for immediate shipment.*

## E27 SLD G and E31 SLD G Gel batteries -

Premium gel batteries with excellent thermal capabilities and many years of proven performance. No liquid, no spillage, sealed. E27 SLD G and E31 SLD G can be used in any climate, hot or cold.

## E27 SLD A AGM battery -

Absorbed glass mat battery with higher capacity. Suited for moderate temperatures, excellent in colder regions. Not recommended for hot climates. No liquid, no spillage, sealed.

## E31 MF Flooded battery -

Competitively priced battery for any region. Maintenance free, liquid electrolyte and vented - possible hazardous material spillage if broken or turned. E31 MF can be used in any climate, hot or cold. Not recommended in underground vaults where flooding can occur.

World class, state-of-the-art battery manufacturer with a proven track record making quality batteries.

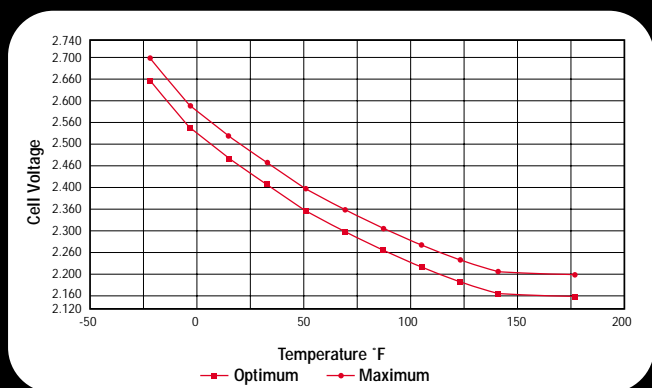
All of our batteries have a handle for easy, safe transporting and installation.

MK Battery provides worry free battery disposal. Spent batteries should be stored under cover. We can arrange to pick up any quantity for recycling.

MK Battery has product in over 50 warehouses in North America. This lowers your shipping and inventory costs with immediate shipment of fresh product.

MK Battery has small alkaline batteries for remotes.

Charge Voltage vs Temperature



Charge and Float  
Values 12 Volt Batteries

Temp °F	Temp °C	Charge Optimum	Charge Max.	Float Min.	Float Max.
>120	>49	13.00	13.30	12.80	13.00
110-119	43-48	13.20	13.50	12.90	13.20
100-109	38-42	13.30	13.60	13.00	13.30
90-99	32-37	13.40	13.70	13.10	13.40
80-89	27-31	13.50	13.80	13.20	13.50
70-79	21-26	13.70	14.00	13.40	13.70
60-69	16-20	13.85	14.15	13.55	13.85
50-59	10-15	14.00	14.30	13.70	14.00
40-49	4-9	14.20	14.50	13.90	14.20
<39	<4	14.50	14.80	14.20	14.50

