

S-Gel Solar Power

Eternity Technologies valve regulated lead-acid batteries for the solar power and renewable energy market. With an innovative Gel-Technology design Eternity Technologies S-Gel batteries have a reliable maintenance-free and leakage-free construction.

 **Part of our Network Power range**

Features

High energy density and cyclic performance

Robust tubular positive electrode design, compliant with DIN 40742

Engineered to deliver 2000 cycles at 60% DOD at 20°C

Operating temperature -10°C to +45°C

Fully recyclable with low CO₂ footprint

Maintenance free

Applications

Solar/ Wind Power Stations

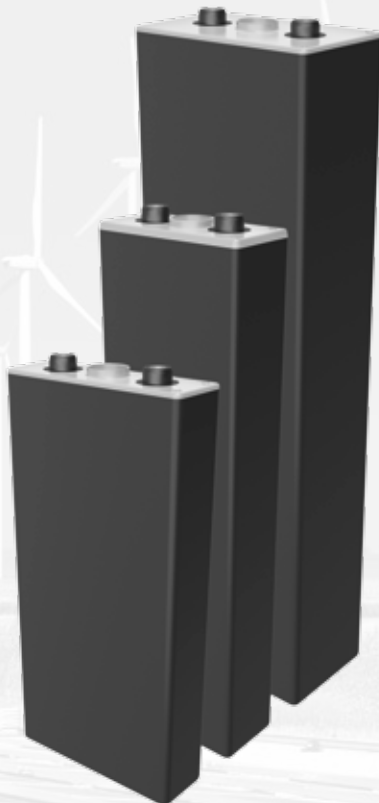
Traffic Systems

Hydro Power Generation

Off Grid Solutions

Telecommunications/ Mobile Phone Stations

Power Distribution Companies



S-Gel Solar Cells

Positive plate

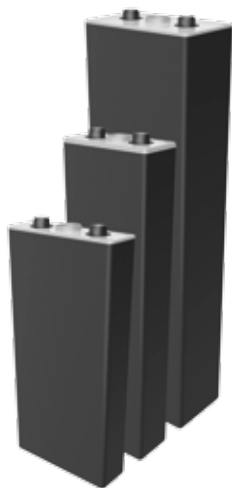
High energy density tubular positive plate

Electrolyte

Silica based gel electrolyte that is maintenance free

Sealing washer

Thermoplastic elastomer (TPE) sealing washer utilised for air-tight sealing of the terminal



Negative plate

Industry leading negative plate design

Gauntlet

Non-woven, high-capacity polyester gauntlet

Separator

High porosity corrosion resistant and ensures maximum capacity

S-Gel DIN Solar Product Range - 198mm wide Weight, Capacity and Dimension Charts & Capacities C10-C240

55 Ah Plate		H1 = 341.5 mm H2 = 371.5 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGEL-ET150SOLAR	8.8	47	123	132	145	149	150
3 SGEL-ET230SOLAR	12.3	65	185	198	218	223	224
4 SGEL-ET300SOLAR	15.8	83	246	264	290	297	299
5 SGEL-ET380SOLAR	19.3	101	308	330	363	371	374
6 SGEL-ET450SOLAR	22.9	119	370	396	436	446	449
7 SGEL-ET520SOLAR	26.4	137	431	462	508	520	524
8 SGEL-ET600SOLAR	28.7	155	493	528	581	594	598
9 SGEL-ET670SOLAR	31.9	173	554	594	653	668	673
10 SGEL-ET750SOLAR	35.1	191	616	660	726	743	748

70 Ah Plate		H1 = 404 mm H2 = 434 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGEL-ET190SOLAR	10.4	47	157	168	185	189	190
3 SGEL-ET290SOLAR	14.7	65	235	252	277	284	286
4 SGEL-ET380SOLAR	19.0	83	314	336	370	378	381
5 SGEL-ET480SOLAR	23.2	101	392	420	462	473	476
6 SGEL-ET570SOLAR	27.5	119	470	504	554	567	571
7 SGEL-ET670SOLAR	30.5	137	549	588	647	662	666
8 SGEL-ET760SOLAR	34.9	155	627	672	739	756	762
9 SGEL-ET850SOLAR	38.9	173	706	756	832	851	857
10 SGEL-ET950SOLAR	43.0	191	784	840	924	945	952

80 Ah Plate		H1 = 458.5 mm H2 = 488.5 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGEL-ET220SOLAR	11.8	47	179	192	211	216	218
3 SGEL-ET330SOLAR	16.7	65	269	288	317	324	326
4 SGEL-ET440SOLAR	21.6	83	358	384	422	432	435
5 SGEL-ET540SOLAR	26.5	101	448	480	528	540	544
6 SGEL-ET650SOLAR	31.4	119	538	576	634	648	653
7 SGEL-ET760SOLAR	34.5	137	627	672	739	756	762
8 SGEL-ET870SOLAR	39.0	155	717	768	845	864	870
9 SGEL-ET980SOLAR	43.0	173	806	864	950	972	979
10 SGEL-ET1080SOLAR	48.4	191	896	960	1056	1080	1088

100 Ah Plate		H1 = 554 mm H2 = 584mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGEL-ET270SOLAR	14.7	47	224	240	264	270	272
3 SGEL-ET410SOLAR	21.0	65	336	360	396	405	408
4 SGEL-ET540SOLAR	27.2	83	448	480	528	540	544
5 SGEL-ET680SOLAR	33.5	101	560	600	660	675	680
6 SGEL-ET810SOLAR	39.8	119	672	720	792	810	816
7 SGEL-ET950SOLAR	43.6	137	784	840	924	945	952
8 SGEL-ET1080SOLAR	51.4	155	896	960	1056	1080	1088
9 SGEL-ET1220SOLAR	57.1	173	1008	1080	1188	1215	1224
10 SGEL-ET1350SOLAR	63.6	191	1120	1200	1320	1350	1360

120 Ah Plate		H1 = 671.5 mm H2 = 701.5 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGEL-ET330SOLAR	17.0	47	269	288	317	324	326
3 SGEL-ET490SOLAR	24.2	65	403	432	475	486	490
4 SGEL-ET650SOLAR	31.4	83	538	576	634	648	653
5 SGEL-ET810SOLAR	38.6	101	672	720	792	810	816
6 SGEL-ET980SOLAR	45.8	119	806	864	950	972	979
7 SGEL-ET1140SOLAR	50.7	137	941	1008	1109	1134	1142
8 SGEL-ET1300SOLAR	58.1	155	1075	1152	1267	1296	1306
9 SGEL-ET1460SOLAR	64.7	173	1210	1296	1426	1458	1496
10 SGEL-ET1620SOLAR	71.9	191	1344	1440	1584	1620	1632

140 Ah Plate		H1 = 713.5 mm H2 = 743.5 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGEL-ET380SOLAR	17.5	47	314	336	370	378	381
3 SGEL-ET570SOLAR	25.5	65	470	504	554	567	571
4 SGEL-ET760SOLAR	33.8	83	627	672	739	756	762
5 SGEL-ET950SOLAR	39.6	101	784	840	924	945	952
6 SGEL-ET1140SOLAR	48.0	119	941	1008	1109	1134	1142
7 SGEL-ET1330SOLAR	55.6	137	1098	1176	1294	1323	1333
8 SGEL-ET1520SOLAR	63.0	155	1254	1344	1478	1512	1523
9 SGEL-ET1710SOLAR	70.2	173	1411	1512	1663	1701	1714
10 SGEL-ET1890SOLAR	78.3	191	1568	1680	1848	1890	1904

S-Gel BS Solar Product Range - 158mm wide Weight, Capacity and Dimension Charts & Capacities C10-C240

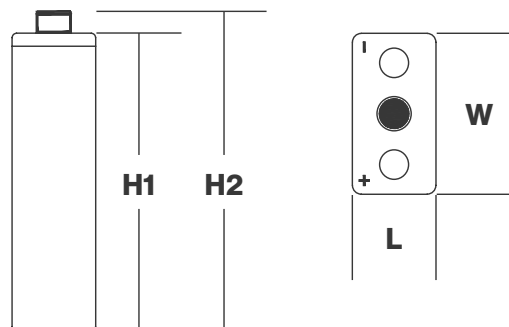
61 Ah Plate		H1 = 454 mm H2 = 484 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGELB-ET170SOLAR	8.3	46	137	146	161	165	166
3 SGELB-ET250SOLAR	11.9	62	205	220	242	247	249
4 SGELB-ET330SOLAR	15.1	78	273	293	322	329	332
5 SGELB-ET420SOLAR	18.5	94	342	366	403	412	415
6 SGELB-ET500SOLAR	21.8	110	410	439	483	494	498
7 SGELB-ET580SOLAR	25.3	126	478	512	564	576	581
8 SGELB-ET660SOLAR	28.2	142	547	586	644	659	664
9 SGELB-ET750SOLAR	32.0	158	615	659	725	741	747
10 SGELB-ET830SOLAR	35.6	174	683	732	805	824	830
11 SGELB-ET910SOLAR	39.1	190	752	805	886	906	913
12 SGELB-ET990SOLAR	41.2	206	820	878	966	988	996

71 Ah Plate		H1 = 515 mm H2 = 545 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGELB-ET200SOLAR	9.8	46	159	170	187	192	193
3 SGELB-ET290SOLAR	13.7	62	239	256	281	288	290
4 SGELB-ET390SOLAR	17.6	78	318	341	375	383	386
5 SGELB-ET480SOLAR	21.7	94	398	426	469	479	483
6 SGELB-ET580SOLAR	25.5	110	477	511	562	575	579
7 SGELB-ET680SOLAR	29.3	126	557	596	656	671	676
8 SGELB-ET770SOLAR	33.4	142	636	682	750	767	772
9 SGELB-ET870SOLAR	37.3	158	716	767	843	863	869
10 SGELB-ET960SOLAR	41.5	174	795	852	937	959	966
11 SGELB-ET1060SOLAR	43.5	190	875	937	1031	1054	1062
12 SGELB-ET1150SOLAR	48.3	206	954	1022	1125	1150	1159

85 Ah Plate		H1 = 610.5 mm H2 = 640.5 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGELB-ET230SOLAR	11.4	46	190	204	224	230	231
3 SGELB-ET350SOLAR	15.9	62	286	306	337	344	347
4 SGELB-ET460SOLAR	20.7	78	381	408	449	459	462
5 SGELB-ET580SOLAR	25.3	94	476	510	561	574	578
6 SGELB-ET690SOLAR	29.6	110	571	612	673	689	694
7 SGELB-ET810SOLAR	34.4	126	666	714	785	803	809
8 SGELB-ET920SOLAR	39.3	142	762	816	898	918	925
9 SGELB-ET1040SOLAR	43.5	158	857	918	1010	1033	1040
10 SGELB-ET1150SOLAR	48.7	174	952	1020	1122	1148	1156
11 SGELB-ET1270SOLAR	53.2	190	1047	1122	1234	1262	1272
12 SGELB-ET1380SOLAR	57.5	206	1142	1224	1346	1377	1387

± 5% weight tolerance
H1 = height over lid
H2 = overall height including connector and bolt
M10 threaded terminal
Torque: 23Nm

Not to scale



2

Number of positive plates

SGEL-ET
SGELB-ET

SGEL-ET for DIN
SGELB-ET for BS

122

Cell capacity (Ah)