

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

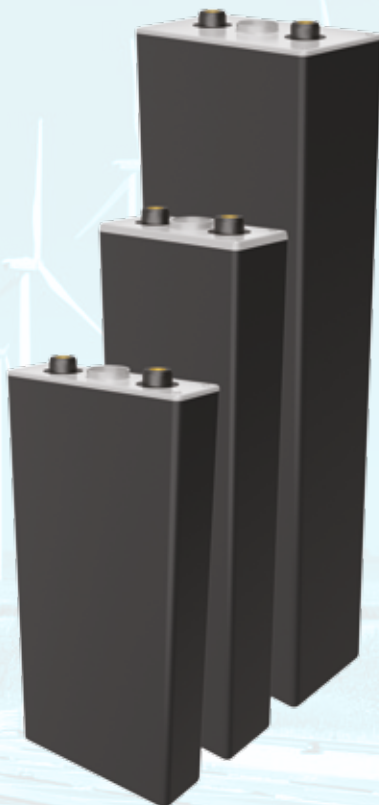
Robust tubular positive electrode design, compliant with DIN 40742

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

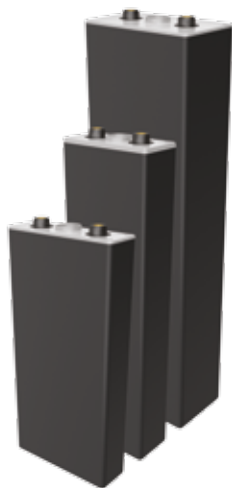
High energy density tubular positive plate

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

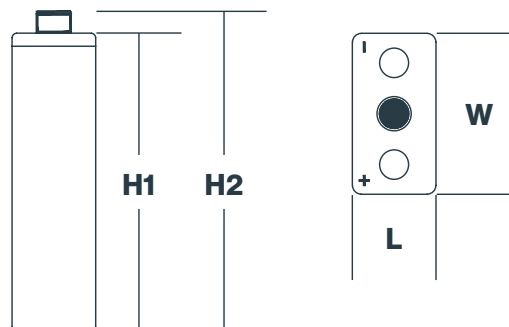
61 Ah Plate		H1 = 454 mm H2 = 484 mm					
Cell type	Weight (kg)	Length (mm)	C10 (1.75)	C20 (1.75)	C100 (1.80)	C120 (1.80)	C240 (1.80)
2 SGELB-ET170SOLAR	8.3	46	137	146	161	165	166
3 SGELB-ET250SOLAR	11.9	62	205	220	242	247	249
4 SGELB-ET330SOLAR	15.1	78	273	293	322	329	332
5 SGELB-ET420SOLAR	18.5	94	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)