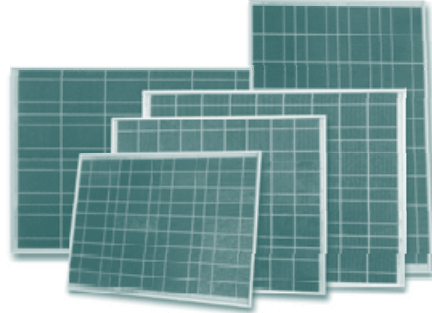


EverExceed®
power your applications

Pakistan Distributor | www.sharifinternational.net



Solar Gel Range VRLA



the most reliable battery for renewable energy

Features

- ☑ Valve regulated lead acid (VRLA)
- ☑ Gelled thixotropic electrolyte
- ☑ Spill-proof and leak-proof
- ☑ Operates at a low internal pressure
- ☑ Very low gassing due to internal gas recombination
- ☑ Flame-arresting one-way pressure-relief vent for safety and long life.
- ☑ Rated non-spillable by ICAO, IATA and DOT

Benefits

- ☑ Sealed construction eliminates periodic watering, corrosive acid fumes and spills.
- ☑ Electrolyte will not stratify. No equalization charging required.
- ☑ Increases durability and deep cycle ability for heavy demand applications.
- ☑ Less than 2% per month stand loss means little deterioration during transport and storage.
- ☑ Fully tank formation ensures voltage matching between cells.

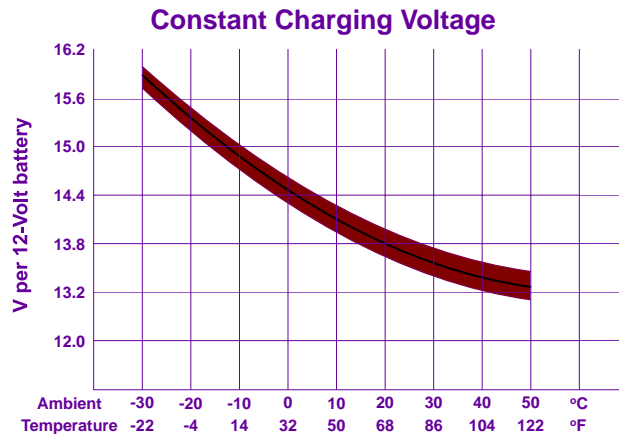
The EverExceed's Solar Gel Range of valve-regulated, gelled-electrolyte monobloc is designed to offer reliable, maintenance-free power for renewable energy applications where frequent deep cycles are required and minimum maintenance is desirable.

Applications

- Photovoltaic / Solar • Cathodic protection • Navigation aids
- Communications • Water pumping • Remote monitoring
- Refrigeration • Lighting • Residential • Wind generation

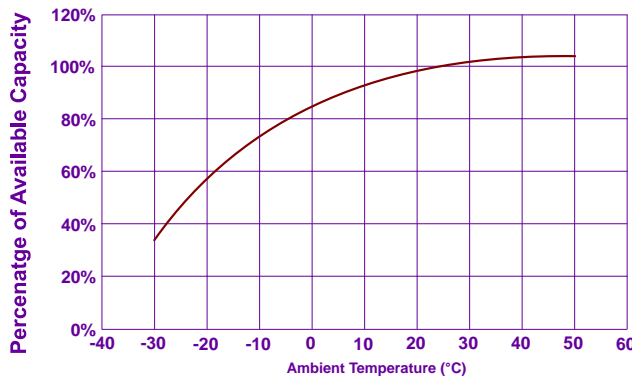
Specifications

- Voltage12 volts nominal (ES6VGC G is 6 volts)
- Plate alloy Lead Calcium Tin
- Element, post Silver plated copper female Insert
- Container/cover ... Reinforced ABS (UL 94HB) ,
Flame-retardant UL 94 V-0 on request
- Charge voltage ... Cycle 2.30 to 2.35; Float 2.25 to 2.30 per cell
- Electrolyte Sulfuric acid thixotropic gel
- Vent Self sealing (2 PSI operation)

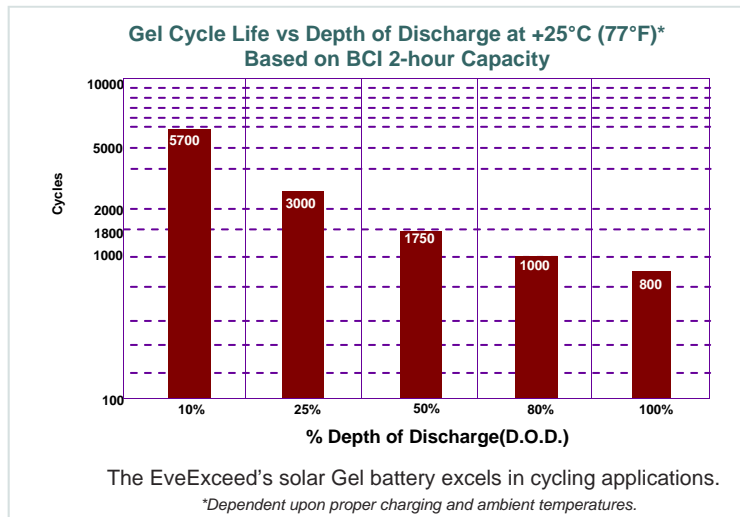


Constant Charging Voltage: Shown is the constant charging voltage in relation to the ambient temperature. The bandwidth shows a tolerance of ± 30mV/cell. This constant voltage is suitable for continuous charging and cyclic operation. In a parallel standby mode it always keeps the battery in a fully charged state; in a cyclic mode, it provides for rapid recharging and high cyclic performance.

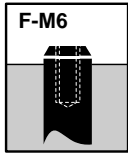
Capacity vs. Operating Temperature



Capacity vs. Operating Temperatures: Above are the changes in capacity for wider ambient temperature range, giving the available capacity, as a percentage of the rated capacity, at different ambient temperatures. The curves show the behavior of the battery after a number of cycles.

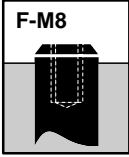


Terminal and torque



9Nm

F-M8



11Nm

Discharge Amps per unit to 1.75VPC at 80°F (27°C)

Type No.	Volts	15 Min	45 Min	60 Min	90 Min	2 Hr	3 Hr	5 Hr	8 Hr	10 Hr	20 Hr	24 Hr	48 Hr	100 Hr	Female Terminal Type	Approx. Wt. (Kgs.)	Dimensions In. (mm)		
																	Length	Width	Height
ES20-12G	12	66.3	30.2	24.8	17.9	15.1	10.9	7.10	4.97	1.64	0.91	0.77	0.40	0.20	F-M6	13.2(6.00)	7.13(181)	3.00(76.0)	6.69(167)
ES26-12G	12	90.5	41.3	33.8	24.5	20.6	14.9	9.70	6.79	2.24	1.24	1.05	0.54	0.28	F-M6	20.7(9.40)	6.54(166)	4.96(126)	6.93(176)
ESU1 G	12	47.8	21.7	17.9	12.9	10.9	7.86	5.13	3.58	2.98	1.66	1.41	0.72	0.37	F-M6	26.4(12.0)	7.72(196)	5.16(131)	6.26(159)
ES40-12G	12	126	57.5	47.1	34.1	28.7	20.7	13.5	9.45	3.12	1.733	1.47	0.75	0.38	F-M6	30.8(14.0)	7.80(198)	6.54(166)	6.69(170)
ES22NF G	12	83.2	37.8	31.1	22.6	19.0	13.7	8.94	6.24	5.20	2.89	2.45	1.26	0.64	F-M6	41.1(18.7)	9.02(229)	5.43(138)	8.43(214)
ES24 G	12	111	50.6	41.5	30.1	25.4	18.4	12.0	8.35	6.95	3.86	3.27	1.68	0.85	F-M6	55.0(25.0)	10.2(259)	6.62(168)	8.50(215)
ES80-12 G	12	121	55	45.2	32.8	27.6	20.0	13.0	9.03	7.56	4.20	3.57	1.79	0.95	F-M6	61.6(28.0)	10.2(259)	6.62(168)	8.50(215)
ES27 G	12	137	61.8	50.8	36.9	31.1	22.4	14.6	10.2	8.51	4.73	4.00	2.06	1.05	F-M6	66.2(30.0)	12.0(305)	6.62(168)	8.50(215)
ES100-12 G	12	151	68.8	56.5	41.0	34.5	24.9	16.3	11.3	9.45	5.25	4.44	2.29	1.17	F-M6	68.4(31.0)	12.0(305)	6.62(168)	8.50(215)
ES31 G	12	166	75.6	62.2	45.0	37.9	27.4	17.9	12.5	10.4	5.78	4.88	2.51	1.28	F-M6	72.6(33.0)	13.1(332)	6.86(174)	8.67(220)
ES120-12G	12	457	208	171	123	104	75.0	48.9	34.24	11.3	6.28	5.32	2.73	1.39	F-M6	77.2(35.0)	16.1(408)	6.90(175)	9.21(234)
ES135-12G	12	517	236	193	140	118	85.0	55.4	38.8	12.8	7.11	6.03	3.09	1.58	F-M8	87.5(39.6)	13.4(340)	6.81(173)	11.3(288)
ES150-12G	12	574	262	215	155	131	94.3	61.5	43.0	14.2	7.89	6.69	3.43	1.75	F-M8	99.2(45.0)	18.9(480)	6.70(170)	9.45(240)
ES4D G	12	242	110	90.4	65.5	55.2	39.9	25.9	18.2	15.1	8.4	7.10	3.65	1.86	F-M8	115(52.2)	20.9(530)	8.23(209)	8.67(220)
ES200-12 G	12	302	138	113	81.9	69.0	49.8	32.6	22.7	18.9	10.5	8.88	4.57	2.32	F-M8	143(65.0)	20.5(520)	9.37(238)	8.67(220)
ES8D G	12	351	160	131	95.0	80.0	57.8	37.7	26.4	21.9	12.2	10.3	5.30	2.70	F-M8	165(75.0)	20.5(520)	10.6(269)	8.27(210)
ES250-12 G	12	378	172	142	102	86.2	62.3	40.6	28.4	23.6	13.1	11.1	5.71	2.91	F-M8	176(80.0)	20.5(520)	10.6(269)	8.67(220)
ES6VGC G	6	302	138	113	81.9	69.0	49.8	32.6	22.7	18.9	10.5	8.88	4.57	2.32	F-M8	68.4(31.0)	12.6(320)	6.82(173)	9.06(230)
ES6-225G	6	877	400	328	237	200	144	93.9	65.8	21.7	12.1	10.22	5.24	2.67	F-M8	77.2(35.0)	9.61(244)	7.40(188)	10.8(275)

IMPORTANT CHARGING INSTRUCTIONS: WARRANTY VOID IF OPENED OR IMPROPERLY CHARGED. Do not install in an air-tight condition. Constant under or over-charging will damage any battery and shorten its service life. Use a good constant potential, voltage-regulated charger or voltage regulated solar controller. For 12 volts monobloc, charge to at least 13.8 volts but no more than 14.1 volts at 68°F (20°C). For 6 volts monobloc, charge to at least 6.90 volts but no more than 7.05 volts at 68°F (20°C). The open