



EXIDE

Gel technology to store solar energy



* Conditions Apply

Exide launches SOLATRON SGL series with unique GEL Technology specially developed for renewable energy applications. Exide has integrated this technology in accordance with state-of-the-art manufacturing and quality procedure to satisfy environmental, economic & technical demands.

A key to a successful Solar Photovoltaic System is the careful integration of all components and proper selection of battery. The Batteries are exposed to variable temperature, insufficient charging, daily cycling as well as operating in Partial State of Charge condition. Such applications need legendary toughness with reliability of tubular and maintenance free convenience of VRLA and nothing can be better than Exide SOLATRON GEL series.

Applications:

• Solar Lantern • Solar home & street lighting • Solar photovoltaic system • Solar power plant • Hybrid system power back-up

Benefits:

• Sealed maintenance free – no topping up ever • Excellent deep discharge capability • High recharge efficiency • Superior cycle life • Less sensitive to temperature • Long shelf life • Greater design life – best value for money • Supplied factory charged

Technical Specification

Battery Type	Nominal Voltage (V)	Rated Capacity (Ah) at 27°C		Weight (Kg.) ± 5%	Internal Resistance (m-ohm)	(Dimensions in mm)			Max. Discharge Current
		C10 1.75V/cell	C20 1.75V/cell			Length ± 5	Width ± 5	Height ± 5	
6SGL 40	12	40	45	19	10.0	350	166	174	240
6SGL 75	12	75	82	33.5	7.0	407	173	235	450
6SGL 100	12	100	105	44	6.0	557	172	240	600
6SGL 150	12	150	165	64	5.0	533	250	240	900
6SGL 200	12	200	220	72	4.0	428	287	400	1200

Recharging Characteristics of SOLATRON GEL Batteries

Model of Operation	Voltage Setting per mono-block unit for ambient temperature 25-30°C	Current Setting
Float Voltage	13.6V ± 0.1 V	Maximum : 20% of the battery Ah capacity Minimum : 10% of the battery Ah capacity
Bulk Voltage	14.4V ± 0.1 V	
Load Reconnect Voltage	13.2V ± 0.1 V	
Low Voltage Disconnect	11.4V ± 0.1 V	
Recharge Factor	106% of Discharge Ah	

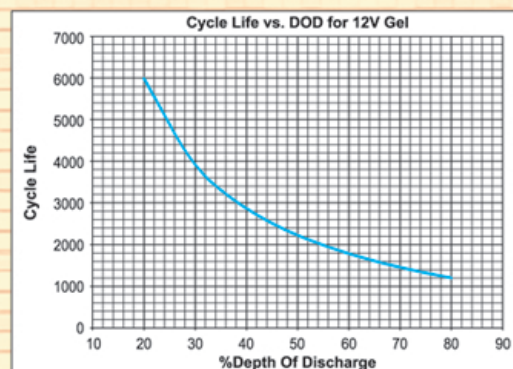
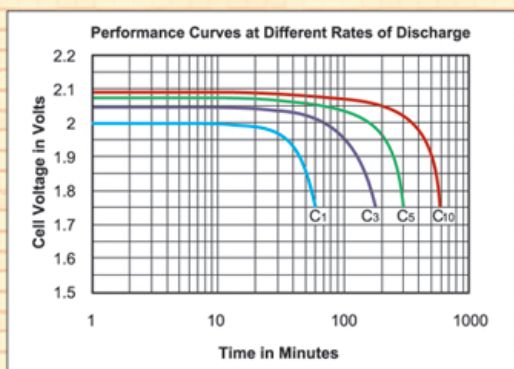
Temperature Compensation : (reference 25°C)

Float : -18mV/°C/12V unit

Cyclic : -30mV/°C/12V unit

NOTE:

- Batteries are dispatched from factory at minimum 90% state of charge
- Full capacity is achieved after a minimum ten numbers of charge-discharge cycles at full depth or 3 months of continuous float operation



Please address your queries & comments to :

Head Office

Kolkata 'Exide House', 59E Chowringhee Road, Kolkata - 700 020, Phone (033) 2283 2120/33/36/50/51/71/ 2238/39, Fax (033) 2283 2632/37

Corporate Marketing Office

Kolkata 6A Hatibagan Road, Entally, Kolkata - 700 014, Phone (033) 2286 6158/6159, Fax (033) 2286 6186, E-mail: indicare@exide.co.in

Regional Offices

New Delhi 'Exide House', 3E/1 Link Road, Jhandewalan Extension, New Delhi - 110 055, Phone (011) 2362 7095/96/98, Fax (011) 2355 5703

Chennai Exide Industries Limited, New No. 824/2, Old No. 398, Third Floor, Anna Salai, Nandanam, Chennai - 600 035 (Before Hyundai Showroom), Phone (044) 4907 5100, (044) 4907 5125, Fax (044) 4907 5126

Mumbai 'RAHEJAS', 5th Floor, 8C Main Avenue, V P Road, Santacruz (West), Mumbai - 400 054, Phone (022) 2646 5283/84, Fax (022) 2646 5042

Kolkata 6A Hatibagan Road, Entally, Kolkata - 700 014, Phone (033) 2284 3137/3168/3169, Fax (033) 2289 7455

Branch Offices

Cuttack Ph.: (0671) 2686151

Guwahati Ph.: (0361) 245 1669

Jamshedpur Ph.: (0657) 229 3022/0785,

Fax (0657) 229 0894 (PP)

Patna Ph.: (0612) 322 3865, Fax (0612) 252 9902 (PP)

Siliguri Ph.: (0353) 253 8321, Fax (0353) 252 3731

Chandigarh Ph.: (0172) 500 0014

Dehradun Ph.: (0135) 324 7766

Ghaziabad Ph.: (0120) 437 7031

Jaipur Ph.: (0141) 519 1206, Fax (0141) 519 1221

Jalandhar Ph.: (0181) 500 9305/9315/9321/9322,

Fax (0181) 500 9326

Lucknow Ph.: (0522) 404 1896/1899/491 3709

Varanasi Ph.: (0542) 220 2129

Bengaluru Ph.: (080) 4128 3793, Fax (080) 2574 4226

Coimbatore Ph.: (0422) 470 0105, Fax (0422) 222 0858

Hyderabad Ph.: (040) 6516 3958

Kochi Ph.: (0484) 414 9351, 414 9352, Fax (0484) 414 9311

Ahmedabad Ph.: (079) 6510 8207, Fax (079) 2963 0532

Indore Ph.: (0731) 654 2293

Mumbai (Fort) Ph.: (022) 2207 2188/89, Fax (022) 2207 8631

Nagpur Ph.: (0712) 253 9972/9973,

Fax (0712) 253 8348

Pune Ph.: (020) 3230 4041-45, Fax (020) 2443 0094

Vadodara Telefax: (0265) 235 4240

EXIDE Industries Ltd., Industrial Marketing: 6A Hatibagan Road, Entally, Kolkata - 700 014, Phone: 2286 6158/6159, E-mail: indicare@exide.co.in, Visit us at www.exide4u.com

Toll Free No. 1800-103-5454

This catalogue is issued to provide outline information only and is not deemed to form part of an offer or contract. Our policy is one of continued improvement and we reserve the right to change details without prior notice.