

EXIDE
INDUSTRIAL

 **EXIDE**
INVA GOLD



PREMIUM AKKUMULATÖREN
WITH **TÖRR**  TECHNOLOGY

Mera Inverter Maange Only **INVA**

Presenting **INVA GOLD** – The Premium Akkumulatören

SPECIAL FEATURES

- Ironclad® extra thick tubular plates as per exclusive Exide design ensuring durability, resistance to corrosion and inbuilt margins for high ambient temperature
- Spines cast with Torr Tubular Technology in HADI machine at 100 bar
- Tower type strong and rugged polypropylene container and heat-sealed tamper proof lids with rope handle for easy lifting arrangement
- PE pocket type separators
- Micro-porous ceramic vent plugs makes it more environment friendly
- Resistance to corrosion and high ambient temperature
- Very long life – Suitable for frequent and long power cuts (800 to 1000 cycles of deep discharge) with quick recharge adaptability
- Low maintenance characteristics with high acid volume per ampere-hour
- Low self-discharge and Resistance to abuse – Can withstand overcharge better
- Substantial savings in floor area
- Conforms to IS 13369 – 1992

APPLICATION

Domestic Inverters

TECHNICAL SPECIFICATION

Model	Capacity at 27°C when discharged at C20 upto 1.75 vpc (1.280 sp. gr)	Dimension (+/-3mm)			Weight (Kg +/-5%)		Volume of Electrolyte (1.220 Sp. Gr) Liters/Cell	Initial charge Minimum AH input (AH)	Initial Charge at Constant Current (A)		Constant Potential Limiting Current (Amps)	Trickle Charge (Current in mA)	
		Length	Width	Height*	Dry	Filled			Start (upto 2.36 vpc)	Finish (upto 2.75 vpc)		Min.	Max.
INVAGOLD 500	150Ah	500	187	430	36.56	62.55	3.55	540	14.4	7.2	24	120	480

*The height mentioned is upto terminal top.

HIGHER DISCHARGE RATES (OPTIONAL)

Hours		10	5	3	1
Capacity Ah	INVAGOLD500	120	105	94	70

INITIAL CHARGING INSTRUCTIONS

1. Filling in Specific Gravity	1.220 +/- 0.005 at 27°C	5. Conditions of fully charged	a) 3 consecutive hourly readings of specific gravity and voltage become constant b) Top of charge voltage will be around 16.2V – 16.5V c) All cells should gas freely d) Minimum Ah has been given
2. Rest Period	6 - 8 hrs.		
3. Minimum Ah input	540Ah		
4. In order to reduce the charging time, the following routine may be adopted. For INVAGOLD500, the initial charging current may be 14.4A upto 2.36 vpc followed by 7.2A upto 2.75 vpc. However in both cases, minimum Ah input to be given. Under no circumstances, battery temperature should exceed 50°C. In case the temperature exceeds 50°C, adequate rest to be given till the electrolyte temperature comes to ambient temperature and charging to be continued.			
6. Specific Gravity at fully charged condition	1.250 +/- 0.005 at 27°C		

NORMAL RECHARGING INSTRUCTIONS

Recharging through Inverter at constant potential mode of 14.4V with limited current as specified. After battery potential reaches 14.4V, the battery should continue in trickle charge mode at constant potential of 13.8V.

BATTERY SELECTION CHART

Inverter Rating (VA)	Inverter DC input voltage (V)	Back-Up Duration					
		6 Hrs.	5 Hrs.	4 Hrs.	3 Hrs.	2 Hrs.	1 Hrs.
500	12	2P IG500	2P IG500	2P IG500	2P IG500	2P IG500	IG500
	24	2S IG500	2S IG500	2S IG500	2S IG500	2S IG500	2S IG500
650	12	3P IG500	3P IG500	2P IG500	2P IG500	2P IG500	IG500
	24	2S X 2P IG500	2S X 2P IG500	2S X 2P IG500	2S IG500	2S IG500	2S IG500
800	12	4P IG500	3P IG500	3P IG500	2P IG500	2P IG500	IG500
	24	2S X 2P IG500	2S X 2P IG500	2S X 2P IG500	2S IG500	2S IG500	2S IG500
1000	12	4P IG500	4P IG500	3P IG500	3P IG500	2P IG500	2P IG500
	24	2S X 2P IG500	2S X 2P IG500	2S X 2P IG500	2S X 2P IG500	2S IG500	2S IG500
1300	24	2S X 3P IG500	2S X 3P IG500	2S IG500	2S IG500	2S IG500	2S IG500
	48	4S X 2P IG500	4S X 2P IG500	4S IG500	4S IG500	4S IG500	4S IG500
2000	24	2S X 4P IG500	2S X 4P IG500	2S X 3P IG500	2S X 3P IG500	2S X 2P IG500	2S X 2P IG500
	48	4S X 2P IG500	4S X 2P IG500	4S X 2P IG500	4S X 2P IG500	4S IG500	4S IG500

Note: S= Series connection; P= Parallel connection. 4S X 2P IG500 => A string containing 4 nos. IG500 batteries in series and 2 nos. such strings in parallel. IG500 stands for INVAGOLD500

Statutory Notice:

All batteries contain lead, which is harmful for humans and environment. As per statutory requirements, the used battery must be returned to the authorized dealer, manufacturer or at the designated collection centres.

Contact our Exide Powercentre Showrooms for Sales & Services



INVA GOLD is a product of ISO 9001 and ISO 14001 certified factories

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: indcore@ent.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, 5154 0626, Fax (011) 2355 5703

Chennai 21/22, Alandur Road, Guindy, Chennai - 600 032, Phone (044) 2234 7326, 2231 6725 (Direct)/26, Fax (044) 2231 1216

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, 2286 1860/6193 Fax (033) 2289 7455

Branch Offices

Bhubaneswar Phone (0674) 243 1385/1847, Fax (0674) 243 1385
Guwahati Phone (0361) 234 2500/1119
Jamshedpur Phone (0657) 242 6847/8349
Patna Phone (0612) 222 6632, 221 1040, 257 3039, Fax (0612) 223 1569
Siliguri Phone (0353) 254 0321
Chandigarh Phone (0172) 500 0014, 265 7409/4387/4553, Fax (0172) 265 4395
Ghaziabad Phone (0575) 273 4574, 283 2172/73
Jaipur Phone (0141) 229 3704/3799, Fax (0141) 229 2877
Jalandhar Phone (0181) 553 4983, 223 7870, 223 7874, Fax (0181) 245 9571

Lucknow

Phone (0522) 223 1255, 262 0722/6971, 261 5280, Fax (0522) 261 8089

Varanasi

Phone (0542) 250 1680, Fax (0542) 250 1296 PB

Bangalore

Phone (080) 5128 3492-5/2357 8672, Fax (080) 559 9624

Coimbatore

Phone (0422) 222 1846, Fax (0422) 222 1737

Hyderabad

Phone (040) 5516 3958 (D), 5569 6633

Kochi

Phone (0484) 240 9128 (D), Fax (0484) 253 7869

Ahmedabad

Phone (079) 2685 6697 (D)/8/9661, Fax (079) 2685 6698

Indore

Phone (0731) 255 6290/91, Fax (0731) 249 3395

Mumbai

Phone (022) 2646 5041, Fax (022) 2646 5042

Nagpur

Phone (0712) 259 4722, 561 5882/83, Fax (0712) 259 1479

Pune

Phone (020) 3230 4043 (D)/41/42, Fax (020) 2422 3843

Vadodara

Telefax (0265) 235 4240

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.

PHX/IG500/10K/08-2006

www.exideindustrialbatteries.com