

EXIDE
TUBULAR >>>

EXIDE
INDUSTRIAL

EL MASTER

The Master
of Tubular Battery



Winner of EFY Awards for
Best SMF Battery... 10 times in a row
2005 - 2014

36*MONTHS
WARRANTY
*CONDITIONS APPLY

Low Maintenance • Last Longer

Visit us at: www.exide4u.com

The new EL Master range are manufactured as per Exide's proprietary Törr Tubular technology using one of the world's most exclusive, advanced and state-of-the-art 'HADI' high pressure spine casting (at 100 bar) machines, which is not commonly available. With our hi-tech R&D center at Kolkata, Exide has developed the high-corrosion resistant and robust spine technology using the HADI process, which ensures a super fine grain structure, for strength, long life and highest reliability.

Applications

● UPS and Inverter Systems ● Telecommunication Systems ● Office Automation Equipment ● Fire Alarm & Security Systems ● Electronic PABX Systems ● Cable Television Equipment ● Electronic Attendance & Cash Registers ● Process Instrumentation & Control ● Railway Signalling ● Power Plants & Substations ● Cellular Phones & Pagers (Base Stations & Transmitters) ● Geophysical Equipment ● PCO Monitors (Electronic)

BATTERY DIMENSION

Type	Overall Dimensions (in mm) upto tack-off top			Approx. Battery Weight		Approx acid qty at 1.220 Sp.Gr.
	Length +/-3mm	Width +/-3mm	Height +/-3mm	Without acid (Kg) +/-5%	(Filled with acid (Kg) +/-5%	Litres
ELMASTER 66	410	176	281	18	30	10
ELMASTER 75	410	176	281	18.5	30.5	9.5
ELMASTER 100	506	220	281	24	43	15.5
ELMASTER 120	500	187	416	29	54.5	21
ELMASTER 130	506	220	281	29.5	48	15
ELMASTER 150	500	187	416	34	59	20.5
ELMASTER 180	500	187	416	37.5	62	20
ELMASTER 200	500	187	416	41.5	65.5	19.5

ELECTRICAL DATA

Type	Capacity in Ah at 27°C when 20 Hr. 1.75 V/Cell	Nominal Monobloc Unit Voltage (V)	Charge current for Initial Charging (Amps)		Minimum Ah input during Initial	Constant Potential Limiting Current	Trickle Charge Current (mA)	
			Starting 2.35 V/Cell	Finishing 2.75 V/Cell			Minimum	Maximum
ELMASTER 66	66	12	7.00	3.50	265	15.00	60	240
ELMASTER 75	75	12	8.00	4.00	300	16.50	66	264
ELMASTER 100	100	12	10.00	5.00	400	25.00	90	360
ELMASTER 120	120	12	12.00	6.00	480	25.00	105	420
ELMASTER 130	130	12	13.00	6.50	520	30.00	115	460
ELMASTER 150	150	12	15.00	7.50	600	32.50	130	520
ELMASTER 180	180	12	18.00	9.00	720	40.00	160	640
ELMASTER 200	200	12	20.00	10.00	800	45.00	180	720

Initial Charging

● Fill up to the required level with battery grade dilute sulphuric acid ● Filling specific gravity: 1.220 ± 0.005 at 27°C ● Operating specific gravity: 1.240 ± 0.005 at 27°C ● Rest period: 12 hours ● Charge at 10% of C(20) capacity to 2.35 vpc and then at 5% of C(20) capacity to 2.75vpc Minimum Ah input: 400% of C20 capacity ● All parameters for 12 Volt Nominal Monobloc Units

Recharging

- For constant potential charging higher rates are permissible for maximum charger setting of 2.40 volts per cell.
- Trickle charge voltage should be adjusted to 2.25 volts per cell.



Underwriters Laboratories Inc. USA certification for the products are available as an option. FR Grade batteries are available as an option.

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.

**EXIDE
EL
MASTER**

Contact our Exide Powercentre Showrooms for Sales & Services

ELMASTER is a product of ISO 9001, ISO 14001, and OHSAS 18001 certified factory

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: indlcare@exide.co.in

Regional Offices

New Delhi 'Exide House', 8/42 Kirtinagar Industrial Area, Opposite MDH Spice Factory, New Delhi - 110015, Phone: (011) 4144 0293/0068/ 0927/4238 1581/4237 6282/4243 3023/ 3453/ 4235 2085
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

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Guwahati Ph.: (0361) 719 7273
Jamshedpur Ph.: (0657) 229 0784/0785 Fax (0657) 229 0894 (PP)
Patna Ph.: (0612) 322 3865, Fax (0612) 252 9902 (PP)
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Nagpur Ph.: (0712) 253 9972/9973, Fax (0712) 253 8348
Pune Ph.: (020) 6522 2706, Fax (020) 2443 0094
Vadodara Telefax: (0265) 239 4240

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E-mail: indlcare@exide.co.in, Visit us at www.exide4u.com

Toll Free No. 1800-103-5454