

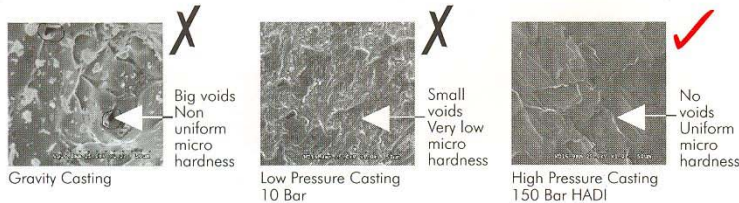


Breakthrough **5** year warranty



The Ultimate UPS Battery

INDUSTRIAL



The new EL+ range are manufactured as per Exide's proprietary Torr 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 System ● 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)

EXIDE EL+ RANGE OF TUBULAR MONOBLOC BATTERIES

CAPACITIES, WEIGHTS AND DIMENSIONS															
Type	Capacity in Ah at 27°C when discharged for		Nominal Monobloc Unit Voltage (V)	Charge Current (A)		Minimum Ah input during initial charge	Approx. Battery ⁺ Weight		Approx. acid qty (1.220 Sp.Gr./Cell)	Overall Dimensions			Constant Potential Limiting Current (A)	Trickle Charge Current (mA)	
	10 Hr.	10 Hr.		Starting	Finishing		Without acid (Kg) +/-5%	Filled with acid (Kg) +/-5%		Litres	L mm +/-3	W mm +/-3		H mm +/-3	Min
Final Voltage per cell (V)	1.75	1.80 (Conforms to BIS 13369)	-	2.35	2.70										
6EL40+	40	38	12	5.00	2.50	180	18.10	28.00	1.33	410	176	249	6.00	40	160
6EL50+	50	47	12	6.00	3.00	225	18.30	28.20	1.33	410	176	249	7.50	50	200
6EL66+	66	63	12	8.00	4.00	300	24.40	40.70	2.23	506	220	293	10.00	70	280
6EL80+	80	76	12	9.60	5.00	360	28.60	44.00	2.10	506	220	293	12.00	80	320

EXIDE EL+ TALL TUBULAR RANGE

CAPACITIES, WEIGHTS AND DIMENSIONS															
Type	Capacity in Ah at 27°C when discharged for		Nominal Monobloc Unit Voltage (V)	Charge Current (A)		Minimum Ah input during initial charge	Approx. Battery ⁺ Weight		Approx. acid qty (1.220 Sp.Gr./Cell)	Overall Dimensions			Constant Potential Limiting Current (A)	Trickle Charge Current (mA)	
	10 Hr.	10 Hr.		Starting	Finishing		Without acid (Kg) +/-5%	Filled with acid (Kg) +/-5%		Litres	L mm +/-3	W mm +/-3		H mm +/-3	Min
Final Voltage per cell (V)	1.75	1.80 (Conforms to BIS 13369)	-	2.35	2.70										
6EL100+	100	95	12	12.00	6.00	450	29.80	56.90	3.70	500	187	421	15.00	100	400
6EL130+	130	123	12	16.00	8.00	585	40.60	66.90	3.60	500	187	421	19.50	130	520
6EL150+	150	142	12	18.00	9.00	675	47.60	71.70	3.30	500	187	421	22.50	150	600
6EL180+	180	171	12	22.00	11.00	810	48.80	70.80	3.00	500	187	421	27.00	180	720

- For constant potential charging higher rates are permissible for maximum charger setting of 2.40 volts per cell.
- Trickle charge voltage should be adjusted between 2.15 – 2.25 volts per cell.
- Technical information regarding 6V EL Tubular available on request.

Initial Charging Instructions

● Fill up to the required level with battery grade dilute sulphuric acid ● Filling specific gravity: 1.220 ± 0.005 at 27°C ● Rest period: 12 hours ● Charge at 12% of C(10) capacity to 2.35 vpc and then at 6% of C(10) capacity to 2.7vpc - 2.75vpc Minimum Ah input: 450% of C10 capacity ● All parameters for 12 Volt Nominal Monobloc Units

The benefits derived are as follows:

- The designed float life of Exide EL+ extends well beyond 5 years and on an average 8 – 10 years for EL+ Range.
- The cyclic life of EL+ is also very high to the tune of 1200 cycles at 80% depth of discharge.
- The low antimony content of the spines ensures a very low self discharge loss of the order of 1% of the 10 hour rate capacity per week at 25°C.
- The combination of low antimony alloy and ceramic vent plug keeps the water addition requirement very low. A topping up frequency of once in 6-9 months can easily be achieved in normal operating conditions.

Contact our Exide Powercenter Showrooms for Sales & Services

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

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
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 Kolkata 6A Hatibagan Road, Entally, Kolkata - 700 014, Phone (033) 2284 3137, 2286 1860/1890, Fax (033) 2244 6555

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 Pune Phone (020) 401 1083-6, Fax (020) 612 6426
 Vadodara Phone (0265) 279 1947, Fax (0265) 279 1947

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PHX/ELT+/5K/03-06

*Applied for + Estimated

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