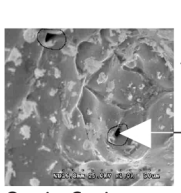
EXIDE INDUSTRIAL

EL+ PREMIUM TUBULAR

Breakthrough 5 year warranty

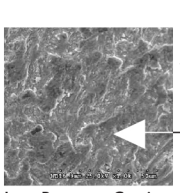
INDUSTRIAL

The Ultimate UPS Battery



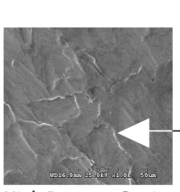
✗ Big voids Non uniform micro hardness

Gravity Casting



✗ Small voids Very low micro hardness

Low Pressure Casting 10 Bar



✓ No voids Uniform micro hardness

High Pressure Casting 150 Bar HADI

The new EL+ 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 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 (Base Stations & Transmitters) ● Geophysical Equipment ● PCO Monitors (Electronic)

EXIDE EL+ RANGE OF TUBULAR MONOBLOC BATTERIES

SPECIFICATION CHART															
Type	Capacity in Ah at 27°C when discharged for			Charge Current for Intial Charging (Amps)		Minimum Ah input during Initial Charge	Approx. Battery+ Weight		Approx+ acid qty at 1.220 Sp.Gr.	Overall Dimensions (in mm)			Constant Potential Limiting Current (Amps)	Trickle Charge Current (mA)	
	10 Hr. 1.75 V /Cell	10 Hr. 1.80 V /Cell (Conforms to BIS 13369)	Nominal Monobloc Unit Voltage (V)	Starting 2.35 V /Cell	Finishing 2.75 V /Cell		Without acid (Kg) +/-3%	Filled with acid (Kg)	Litres / Cell	Length + /-3 mm	Width +/-3 mm	Hight +/-3 mm		Minimum	Maximum
6EL40+	40	38	12	5.00	2.50	180	16.10	27.69	9.50	410	176	281	10.00	40	160
6EL50+	50	47	12	6.00	3.00	225	18.26	30.46	10.00	410	176	281	12.50	50	200
6EL66+	66	63	12	8.00	4.00	300	24.40	40.70	13.36	506	220	293	16.50	70	280
6EL80+	80	76	12	9.60	5.00	360	28.60	44.00	12.62	506	220	293	20.00	80	320

EXIDE EL+ TALL TUBULAR RANGE

SPECIFICATION CHART															
Typ	Capacity in Ah at 27°C when discharged for			Charge Current for Intial Charging (Amps)		Minimum Ah input during Initial Charge	Approx. Battery+ Weight		Approx+ acid qty at 1.220 Sp.Gr.	Overall Dimensions (in mm)			Constant Potential Limiting Current (Amps)	Trickle Charge Current (mA)	
	10 Hr. 1.75 V /Cell	10 Hr. 1.80 V /Cell (Conforms to BIS 13369)	Nominal Monobloc Unit Voltage (V)	Starting 2.35 V /Cell	Finishing 2.75 V /Cell		Without acid (Kg) +/-5%	Filled with acid (Kg)	Litres / Cell	Length + /-3 mm	Width +/-3 mm	Hight +/-3 mm		Minimum	Maximum
6EL100+	100	95	12	12.00	6.00	450	29.80	56.90	22.21	500	187	416	25.00	100	400
6EL130+	130	123	12	16.00	8.00	585	40.60	66.90	21.56	500	187	416	32.50	130	520
6EL150+	150	142	12	18.00	9.00	675	47.60	71.70	19.75	500	187	416	37.50	150	600
6EL180+	180	171	12	22.00	11.00	810	48.80	70.80	18.03	500	187	416	45.00	180	720

a. For constant potential charging higher rates are permissible for maximum charger setting of 2.40 volts per cell.

b. Trickle charge voltage should be adjusted to 2.25 volts per cell.

c. 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 2.75vpc Minimum Ah input: 450% of C10 capacity ● All parameters for 12 Volt Nominal Monobloc Units

The benefits derived are as follows:

1. The designed float life of Exide EL+ extends well beyond 5 years and on an average 8 – 10 years for EL+ Range.
2. The cyclic life of EL+ is also very high to the tune of 1200 cycles at 80% depth of discharge.
3. 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.
4. 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.

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

EXIDE INDUSTRIAL

is a product of ISO 9001 and ISO 14001 certified factories