



UPS BATTERIES



INDUSTRIAL

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FEATURES

Exide Lite, the long standing popular battery for UPS systems now gets an extra long life.

Safe

Strong durable Polypropylene containers with heat terminals, special vent plugs fitted with microprorous ceramic domes to arrest pungent acidic fumes, making it particularly suitable for corporate offices where an isolated place for the battery may not be available.

Longer Life

Ultra thick positive and negative plates alongwith tough polyethylene based envelope seperators form the core of this extremely rugged & reliable battery.

Low Maintenance

Low antimony alloy in the plate grids alongwith more electrolyte volume assures lower maintenance needs.

Frequent Deep Discharge

The improved Exide Lite Challenger has been designed for deep discharge cycles during frequent powercuts while retaining the excellent original feature of high rate discharge.

Compact / Less floor space

Compact, attractive and environment friendly - fit to adorn any space in your home or office.

CAPACITY RANGE

Battery Type	Capacity in Ampere-hour (Ah) at 27°C when discharge for				
Hours	10	5	3	2	1
Final v.p.c	1.80	1.80	1.80	1.80	1.75
6 ELF 39	39.0	33.8	30.0	27.5	23.5
6 ELF 78	78.0	67.5	60.0	55.0	47.0
6 ELF 100	100.0	86.0	77.0	70.0	60.0
6 ELF 130	130.0	112.5	100.5	92.0	78.0

EXIDE LITE RANGE OF FLAT PLATE MONOBLOC BATTERIES

Specification Chart														
Type	Capacity in Ah at 27°C when discharged for		Charging Current for initial charging (Amps)		Minimum Ah input during initial charge	Approx. Battery+ Weight (1.220 Sp. Gr./Cell)		Approx. + acid qty	Overall Dimensions			Constant Potential Limiting Current (A)	Trickle Charge Current (mA)	
	10 Hr. at 1.8 V/cell	Nominal Monobloc Unit Voltage (V)	Starting 2.35 V/cell	Finishing 2.75 V/cell		Without acid (Kg) +/-2%	Filled with acid (Kg) +/-2%		L mm +/-3	W mm +/-3	H mm +/-3		Min	Max
6ELF 39	39	12	5.5	2.7	140	13.25	26.90	11.20	410	176	281	10	40	160
6ELF 78	78	12	11.0	5.5	275	20.74	32.65	9.75	410	176	281	20	80	320
6ELF 100	100	12	14.0	7.0	350	27.50	42.10	12.00	506	220	257	25	100	400
6ELF 130	130	12	18.0	9.0	440	32.50	47.50	12.30	506	220	257	33	130	520

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 between 2.15 - 2.25 volts per cell.

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 14% of C(10) capacity to 2.35 vpc and then at 7% of C(10) capacity to 2.75 vpc Minimum Ah input : 350% of C10 capacity for example for 6ELF100, the Minimum Ah input during initial charge should be 350 Ah.
- All parameters for 12 Volts Nominal Monobloc Units.



EXIDE LITE is a product of ISO 9001 and ISO 14001 certified factories

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