



EXIDE

**NORMAL
DISCHARGE
TUBULAR
BATTERIES**



INDUSTRIAL

For over 50 years, Exide Industries Limited, has pioneered battery technology in India. It is the only company in South and South East Asia which designs and manufactures lead acid batteries from 2.5 Ah to 20400 Ah. Exide offers the latest series of Tubular batteries, manufactured in its state of the art ISO 9000 : 2000 and ISO 14001 certified factories to fulfil the growing demand both in domestic and export market. Exide NDP Tubular cells conform to BIS specification no.IS.1651

PRODUCT FEATURES

- HR/TP/PP Container
- Tubular Positive plates
- Pasted Negative Plates
- High tensile, acid resistant polyester gauntlets
- High Porosity Envelope Separators
- Electrolyte Level Indicator
- Microporous Ceramic Vent Plug.

TORR TUBULAR TECHNOLOGY

Exide Tubular Batteries have the spines or the positive plate support cast at high pressure (100 bar) in imported HADI machine which ensures void free structure and consistent grain orientation and can protect the plate support from anodic corrosion. This in turn ensures higher reliability and longer life. Exide Torr Tubular

plates are also cast with low antimony content which reduces the topping up frequency, making the batteries low maintenance type. This also keeps the float charging current at a lower value, thus minimises the total energy requirement needed to keep the battery in charged condition during standby float application.

APPLICATION

- Power Plants
- Substations
- Switchgear operation
- UPS systems
- Solar
- Railway signalling

TECHNICAL DATA

Type of Cell	C10 Capacity to 1.85 V Ah	Charging Current		Total minimum input during initial charging Ah	Weight of Cell +/- 5%		Approx acid qty. 1.19 sp. gr. Litres	Overall Dimensions			Corresponding Cell Centres mm	Trickle Charge	
		Starting A	Finishing A		W/O Acid Kg	W Acid Kg		Length ± 3mm mm	Breadth ± 3mm mm	Height* ± 3mm mm		Min mA	Max mA
TB20P MARK 1	20	2.4	1.2	90	3.0	5.3	1.9	66	159	329	72	20	80
TB40P MARK 1	40	4.8	2.4	180	4.0	6.0	1.7	66	159	329	72	40	160
TB60P MARK 1	60	7.2	3.6	270	4.0	7.1	2.6	95	159	317	104	60	240
TB80P MARK 1	80	9.6	4.8	360	4.9	8.8	3.3	113	159	330	122	80	320
TV100P MARK 1	100	12	6	450	6.4	11.3	4.1	95	159	362	104	100	400
TM150P MARK 1	150	18	9	675	8.0	12.2	3.5	113	159	435	122	150	600
TV200H MARK 1	200	24	12	900	19.0	29.1	8.5	260	210	378	218	200	800
TV250H MARK1	250	30	15	1125	21.0	30.7	8.2	260	210	378	218	250	1000
TM300H MARK1	300	36	18	1350	24.5	40.0	13.0	320	186	466	193	300	1200
TM350H MARK1	350	42	21	1575	25.8	40.7	12.5	320	186	466	193	350	1400
TM400H MARK1	400	48	24	1800	27.2	41.5	12.0	320	186	466	193	400	1600
TM450H MARK1	450	54	27	2025	28.6	42.3	11.5	320	186	466	193	450	1800
TM500H MARK1	500	60	30	2250	31.5	46.0	12.2	320	186	466	193	500	2000
TI550H	550	66	33	2475	44.0	62.5	15.5	398	192	521	200	550	2200
TI600H	600	72	36	2700	45.5	63.4	15.0	398	192	521	200	600	2400
TI650P	650	78	39	2925	39.3	64.4	21.1	500	188	427	196.5	650	2600
TI700P	700	84	42	3150	39.3	64.4	21.1	500	188	427	196.5	700	2800
TI750P	750	90	45	3375	43.5	67.5	20.2	500	188	427	196.5	750	3000
TI800P	800	96	48	3600	45.4	69.5	20.3	500	188	427	196.5	800	3200
TI850P	850	102	51	3825	45.4	69.5	20.3	500	188	427	196.5	850	3400
TI900P	900	108	54	4050	49.6	73.0	19.7	500	188	427	196.5	900	3600
TI950P	950	114	57	4275	49.6	73.0	19.7	500	188	427	196.5	950	3800
TI1000P	1000	120	60	4500	53.8	76.5	19.1	500	188	427	196.5	1000	4000
TH1100H	1100	132	66	4950	92.0	142.0	42.0	384	350	670	374	1100	4400
TH1200H	1200	144	72	6600	97.0	146.0	41.2	384	350	670	374	1200	4800
TH1300H	1300	156	78	7150	102.5	151.0	40.8	384	350	670	374	1300	5200
TH1400H	1400	168	84	7700	107.0	154.8	40.2	384	350	670	374	1400	5600
TH1500H	1500	180	90	8250	112.0	158.5	39.1	384	350	670	374	1500	6000
TH1600H	1600	192	96	8800	117.0	162.5	38.2	384	350	670	374	1600	6400
TH1700H	1700	204	102	9350	123.0	167.6	37.5	384	350	670	374	1700	6800
TH1800H	1800	216	108	9900	140.0	209.0	58.0	493	342	672	362	1800	7200
TH1900H	1900	228	114	10450	145.0	213.0	57.1	493	342	672	362	1900	7600
TH2000H	2000	240	120	11000	151.0	217.5	55.9	493	342	672	362	2000	8000
TH2500H	2500	300	150	13750	178.0	239.5	51.7	493	342	672	362	2500	10000
TH3000F	3000	360	180	16500	195.0	290.5	80.3	639	355	705	376	3000	12000
TH3500F	3500	420	210	19250	222.0	311.0	74.8	639	355	705	376	3500	14000
TH4000F	4000	480	240	22000	271.0	405.0	112.6	876	366	705	387	4000	16000
TH5000F	5000	600	300	27500	325.0	448.5	103.8	876	366	705	387	5000	20000

*Height is upto float guide



*Applied for

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