



# EXIDE INDUSTRIAL

## HDP TUBULAR STANDBY BATTERIES



For over 60 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 : 2004 certified factories to fulfil the growing demand both in domestic and export market. Exide HDP Tubular cells conform to Table 5 of 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
- Superior high discharge performance conforming to IS:1651
- Low Maintenance.

## 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.

**APPLICATIONS** ● Power Plants ● Substations ● UPS Systems ● Process industries ● C & I ● Emergency lighting ● Solar ● Railway signalling ● Telecommunication

## Technical Data for Exide HDP Tubular Cells

Type of Cell	Capacity at 10 Hrs rate (Ah)	Charging Current (A)		Total Input during Initial Charging (Ah)	Weight of cell +/- 5% (KG)		Approx Qty of acid 1.19 sp. gr. (Litres)	Overall Cell Dimensions +/- 3 mm			Corresponding cell centres (mm)	Trickle Charge Current (mA)	
		Starting Rate	Finishing Rate		Without Acid	With Acid		Length	Breadth	Height*		Min	Max
TV 80 P-HDP II	80	11.2	5.6	480	6.6	10.3	3.1	113	159	372	122	80	320
TM 100 P-HDP II	100	14.0	7.0	600	8.0	12.2	3.5	113	159	435	122	100	400
TV 150 H-HDP II	150	21.0	10.5	900	19.0	29.1	8.5	260	210	376	218	150	600
TV 200 H-HDP II	200	28.0	14.0	1200	18.2	28.6	8.7	260	210	376	218	200	800
TM 250 H-HDP II	250	35.0	17.5	1500	26.8	42.3	13.0	318	184	460	193	250	1000
TM 300 H-HDP II	300	42.0	21.0	1800	28.1	43.2	12.7	318	184	460	193	300	1200
TM 350 H-HDP II	350	49.0	24.5	2100	29.0	43.8	12.4	318	184	460	193	350	1400
TM 400 H-HDP II	400	56.0	28.0	2400	32.0	46.5	12.2	318	184	460	193	400	1600
TM 450 H-HDP II	450	63.0	31.5	2700	33.5	47.9	12.1	318	184	460	193	450	1800
TL 500 H-HDP II	500	70.0	35.0	3000	45.5	66.1	17.3	287	190	495	200	500	2000
TL 550 H-HDP II	550	77.0	38.5	3300	49.0	67.0	15.1	287	190	495	200	550	2200
TL 600 H-HDP II	600	84.0	42.0	3600	56.0	73.0	14.3	394	190	510	197	600	2400
TH 650 H-HDP II	650	91.0	45.5	3900	64.2	85.9	18.2	346	198	640	210	650	2600
TH 700 H-HDP II	700	98.0	49.0	4200	65.2	86.6	18.0	346	198	640	210	700	2800
TH 800 H-HDP II	800	112.0	56.0	4800	73.0	91.9	15.9	346	198	640	210	800	3200
TH 900 H-HDP II	900	126.0	63.0	5400	75.4	99.0	19.8	346	198	725	210	900	3600
TH 1000 H-HDP II	1000	140.0	70.0	6000	92.0	142.0	42.0	384	350	670	374	1000	4000
TH 1100 H-HDP II	1100	154.0	77.0	6600	97.0	146.0	41.2	384	350	670	374	1100	4400
TH 1200 H-HDP II	1200	168.0	84.0	7200	102.5	151.0	40.8	384	350	670	374	1200	4800
TH 1300 H-HDP II	1300	182.0	91.0	7800	107.5	154.8	40.2	384	350	670	374	1300	5200
TH 1400 H-HDP II	1400	196.0	98.0	8400	112.0	158.5	39.1	384	350	670	374	1400	5600
TH 1500 H-HDP II	1500	210.0	105.0	9000	117.0	162.5	38.2	384	350	670	374	1500	6000
TH 1600 H-HDP II	1600	224.0	112.0	9600	140.0	209.0	58.0	493	345	670	362	1600	6400
TH 1800 H-HDP II	1800	252.0	126.0	10800	145.0	212.9	57.1	493	345	670	362	1800	7200
TH 1900 H-HDP II	1900	266.0	133.0	11400	151.0	217.5	55.9	493	345	670	362	1900	7600
TH 2000 H-HDP II	2000	280.0	140.0	12000	163.0	226.8	53.6	493	345	670	362	2000	8000
TH 2200 H-HDP II	2200	308.0	154.0	13200	172.0	234.5	52.5	493	345	670	362	2200	8800
TH 2300 H-HDP II	2300	322.0	161.0	13800	178.0	239.0	51.3	493	345	670	362	2300	9200
TH 2400 H-HDP II	2400	336.0	168.0	14400	184.0	243.5	50.0	493	345	670	362	2400	9600
TH 2500 H-HDP II	2500	350.0	175.0	15000	195.0	253.0	48.7	493	345	670	362	2500	10000

\*Tolerance for Overall Height : +/- 5mm

**Go For TORR TUBULAR**  
 ● Spines cast in HADI machine at 100 Bar  
 ● Higher reliability, longer life



\*Applied for

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