



ISO : 9001
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HI-POWER

IMPACT SERIES OF TUBULAR BATTERIES



Southern Batteries Pvt Ltd, Bangalore, India.

TECHNICAL SPECIFICATIONS FOR IMPACT SERIES OF TUBULAR PP BATTERIES

SL.NO.	TYPE	C20 CAPACITY TO 10 50V (AT 1.250±/±0.005 SP.GR.AT 27 °C)	NOMINAL VOLTAGE(V)	BATTERY WEIGHT *		Overall dimensions ± 3mm			Acid Vol (Approx. Ltrs.)±5%	Constant current Charge Rate (Amps)	Trickle Charge Rate (mA)	
				DRY(Kgs)	WET(Kgs)	L(mm)	W(mm)	H(mm)			Min.	Max.

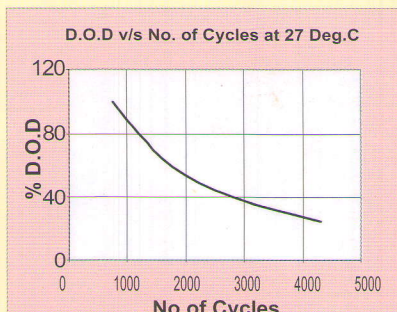
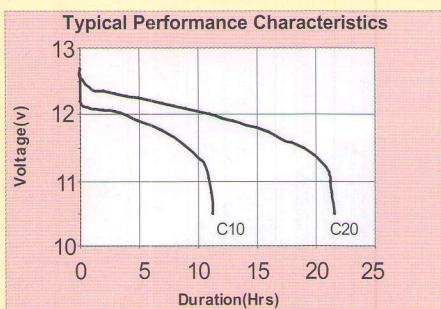
HI-POWER IMPACT SERIES OF TALL TUBULAR BATTERIES

1	IMP 800	80	12	23.5	43	452	180	380	16	6.5	64	256
2	IMP 1000	100	12	27	45.7	452	180	380	15.3	8	80	320
3	IMP 1250	125	12	30.6	48.1	452	180	380	14.3	10	100	400
4	IMP 1350	135	12	31.0	49.0	452	180	380	15.0	11	110	440
5	IMP 1500	150	12	39	63.5	503	190	415	19	12	120	480
6	IMP 1800	180	12	41.6	63.8	503	190	415	18.5	15	150	600
7	IMP 2000	200	12	44.5	66.0	503	190	415	18.3	16	160	640
8	IMP 2250	225	12	51.0	74	503	190	415	18.2	18	180	720

HI-POWER IMPACT SERIES OF REGULAR TUBULAR BATTERIES

1	IMPG 1000	100	12	23.5	38.0	513	212	248	13.5	8	80	320
2	IMPG 1200	120	12	28.0	44.3	513	212	248	13.0	10	100	400
3	IMPG 1500	150	12	35.3	53.5	518	275	250	14.9	12	120	480

Note: * -Tolerance for weight is +/-5% and specifications are subject to change without prior notice.



Initial Filling and Charging Instructions if batteries are received in dry condition:

Remove and discard the dummy plugs fitted on dry batteries. Never fit them back on the cells after initial filling.

If the battery is received in dry condition, discard the dummy vent plugs, fit the Aqua trap cum float plugs, fill up to the black/green mark on the plug float. Fill battery grade dilute sulphuric Acid as per IS 266 in all the cells up to the specified levels with respect to float plugs supplied. Initial filling electrolyte specific gravity: 1.240 ± 0.005 at 27°C . Allow the battery to be on rest period for Minimum 12 hours. The battery shall be put on charge at 14.4V with limiting current at 15% of the rated capacity. Charging shall be continued upto 15.9V till input of 3 times rated capacity is given and specific gravity of electrolyte raises to 1.245 ± 0.005 at 27°C in all the cells.

The battery is said fully charged when specified input Ampere Hours is fed in, all the cells are gassing equally, the battery voltage, specific gravity is fairly constant for three consecutive hours and the acid specific gravity is at 1.245 ± 0.005 at 27°C .

If the battery is received in fully charged condition install the battery to the system as early as possible. If there is a delay beyond a month from date of purchase give a freshening charge to equalize the cells for loss on storage and then connect to system for better performance.

PRODUCT FEATURES

HIPOWER TUBULAR BATTERIES :

HI-POWER IMPACT SERIES OF TUBULAR BATTERIES are rated at C20 capacity.

- Batteries are designed to withstand frequent and long power cuts
- Assembled in Polypropylene containers with plate holding cradles
- Extra thick tubular plates as per HI-POWER Design
- Thick tubular plate spines are of low antimony alloy and cast in HADI/SUVEMA Machines at above 100 Bar pressure for super fine grain structure and minimized grid corrosion at high temperatures
- Negative plates are of low Antimony Alloy with lattice structure
- Micro Porous Ceramic vent cum sealed float plugs to reduce topping up frequency
- Resistance to corrosion and high ambient temperature
- Abuse resistant
- Low self discharge
- Deep Cycle design

APPLICATIONS:

- UPS
- INVERTERS

CAUTION :

Lead is harmful for Humans and Environment. As per Government regulations Spent lead acid batteries must be returned back to the Manufacturers / Government approved Recycles / Smelters only. It is illegal to dispose such materials by any other means of methods. All used batteries should be returned to the manufacturers, company service center, distributor/dealer outlets.

Southern Batteries Pvt Ltd, Bangalore, India.

UNIT - I

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FAX: 91-080-27826633

UNIT - II

NO. 328, BOMMASANDRA - JIGANI LINK ROAD,
JIGANI INDUSTRIAL AREA, JIGANI
ANEKAL TALUK, BANGALORE - 562 106
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Fax No. 91-080-27826633

REGIONAL OFFICES

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NO:161, GROUND FLOOR,
BLOCK - B, LAKE TOWN,
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PATNA

SOUTHERN BATTERIES PVT LTD
"UPSANA", NO:108/E/3, GROUND FLOOR,
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KIDWAI PURI, PATNA-800001
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PUNE

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