


Technical Specification:

- Made of closed type lead acid cells
- Number of batteries per 48 V Bank
- Nominal Voltage per Bank – 4 Nos.
- Nominal Capacity Per Bank - 48 V
- Floating Charge Voltage - 52.5V±1.0V
- Discharge cut off Voltage - >46V

S. No.	Description	Battery Details
01	Battery Rating	48V - 150Ah at C10 to 1.75ECV at 27°C
02	Type of Battery	Maintenance free valve regulated Lead Acid Battery
03	Model offered	T-120 HP
04	Cell capacity	150 Ah at 10 hour rate to 1.75 ECV at 27°C
05	No of cells	24 Cells
06	Battery dimensions (L x W x H) mm	
07	Applicable standards	IEC 60896-21 & 22
08	AH Efficiency	Minimum 95%
09	WH Efficiency	Minimum 85%
10	Self-discharge	<0.5% per week at 27°C
11	Recommended charging & Charger settings	
	(a) For float application	Constant potential with Minimum current 0.2C10 A Float Voltage:2.230±0.005V/Cell at 27°C Boost Voltage:2.320±0.005V/Cell at 27°C
	(b) For Cyclic application	Constant potential with current limited to 0.2C10 A Float Voltage:2.270±0.005V/Cell at 27°C Boost Voltage:2.350±0.005V/Cell at 27°C
	(c) Change over from Float to Boost	Current drawn by the battery is ≥3% of its capacity

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
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	(d) Change over from Boost to Float	Current drawn by the battery is $\leq 1\%$ of its capacity
12	Recommended maximum Period of storage	6 months at 27°C
13	Operating temperature range	-20°C to +55°C
14	Grid Alloy	Lead alloy with special additives
15	Container & Lid Material	Poly propylene co-polymer
16	Sealing Method	Heat sealing
17	Safety Vent	Self-resealing, pressure Regulating Valve with Flame arrestor
18	Ventilation	Normal ventilation is required
19	Plate Type	Flat pasted
20	Separator	Absorbent Glass Mat (AGM)
21	Terminals & ICC	Lead plated brass & Copper ICC's
22	Cell enclosure	Steel enclosures, powder coated
23	Mounting	Mounting bloc, powder coated

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