

Ultra low maintenance free tubular batteries Series

MAXIMA Solar Tubular

MAXIMA Solar brings to you ultra-low maintenance free tubular batteries with best in class design.

Uniquely built MAXIMA Solar Tubular batteries has covered all aspects in design, required to give high life and suits for daily charge-discharge cycling, works effectively in Partial State of Charge (PSOC) operations, besides it ensure fast charge with high efficiency and the reliable and consistent performance makes MAXIMA Solar Tubular batteries, the best and perfect choice for Solar Photovoltaic and other Renewable energy based applications.

Design Features & Benefits

- Hi-coerce™ spine cast – High pressure spine casting (> 100 bar) provides uni-directional grains orientation with micro hardness extradite superior life
- Bountiful Boss™ – Allows rapid charge & delivers high power. Optimized current dense & higher conductivity leading to last long
- Panoptic Spine™ – Mitigates corrosion prone zone, provides high life – Really long
- Satiated wet paste™ – Higher active material integrity, lowers resistance to deliver consistent power & life_{fe}
- Endura cast™ – Automated cast-on-strap delivers durability & performance
- Unified TermiSeal™ – Rigid & Integrated terminal connectivity provides sustainable strength



Major Applications

- Solar Photovoltaic Power plants
- Home & Street Lighting
- Power Plant & Substation
- Corporate Establishments
- Telecommunications
- Railways & Defense
- Banks & IT Parks
- Other Cyclic Applications

MAXIMA Solar Tubular batteries Range

SPECIFICATION TABLE								
Model	Rated Capacity (Ah)	Battery Weight in kg's with Acid (±5%)	Overall Dimensions (±3mm)			Poly Material	Charging current in (A)	
			Length	Width	Height*		Minimum	Maximum
SBM12TD100	12V/100Ah	33.5	410.0	176.0	281.0	PPCP	10.0	20.0
SBM12TD150	12V/150Ah	49.5	500.0	189.0	343.0	PPCP	15.0	30.0
SBM12TD200	12V/200Ah	63.0	500.0	190.0	400.0	PPCP	20.0	40.0
SBM12TD225	12V/225Ah	68.5	500.0	189.0	396.2	PPCP	22.5	45.0

*H : Height up to terminal top for 100Ah rating & up to top cover for all other ratings.

Product Details:

Type of +ve plate	Tubular
Type of -ve plate	Flat Pasted
Terminal Type	L-Terminal with Antimony Lead Alloy
AHEfficiency	>90%
WHEfficiency	>80%
Self-discharge for 28days	≤5%
Recommended Max period of storage	Max. 60 days at 27°C
Electrolyte specific gravity of the end charge at 27°C	1.24
Electrolyte specific gravity of the end discharge	1.13

Charging Parameters:

Constant Voltage Charging at 27°C:

Dual Mode Charge & the charging facility should have auto float charge over and charge mode facilities with the recommended voltage settings

- Float charge voltage - 14.4 ± 0.1V /battery
- Boost charge voltage - 15.0 ± 0.1V /battery
- Over cutoff voltage - 15.2V
- Under cutoff voltage - 10.8V