

MADE IN INDIA

LUMENVOLT®

www.lumenvolt.com

LUMENVOLT
Tubular Batteries
Proven Powerhouse Of Performance
Rugged, Strong and Dependable



LUMVOLT Series of Tubular Batteries specially designed to withstand long and frequent cuts with very low maintenance requirements.

Ideally suited to use in applications that require deep cycling under extreme operating conditions.

Features

- Deep Cycle design with low maintenance.
- Superior active material for excellent discharge performance.
- Tubular Positive plates made from highly corrosion resistant lead alloy.
- High porosity separators to provide low electrical resistance and prevent oxidation.
- Long cyclic span of more than 1000 cycles at 80% depth of discharge and low self-discharge rate.

Advantages

- Suitable for frequent power-cuts.
- Very low maintenance & long life.
- Eco-friendly Aqua Trap vent plugs to ensure no acid fumes.
- Quick charge acceptance.

Applications



Solar Storage



Wind Storage



UPS Backup



Network Communication
Equipments



Electronic Weighing
Machines



Emergency Lighting



Tele-Communications
Power Supply

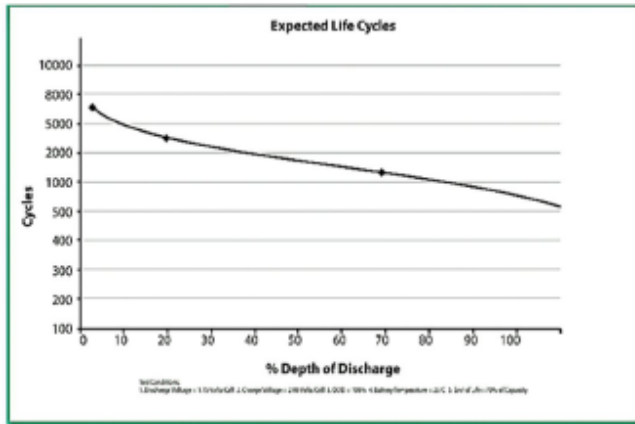


Medical Equipments

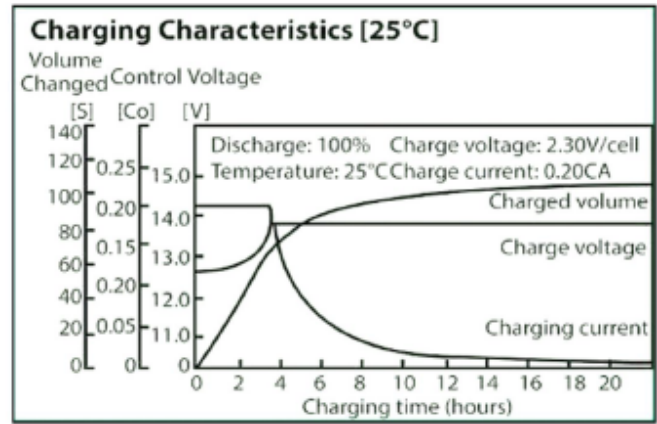
Batteries Parameters

Charge Cycles	1100-1500
Electrolyte Stratification Risk	Low
Thermal Management	High
Electrical Resistance	Low

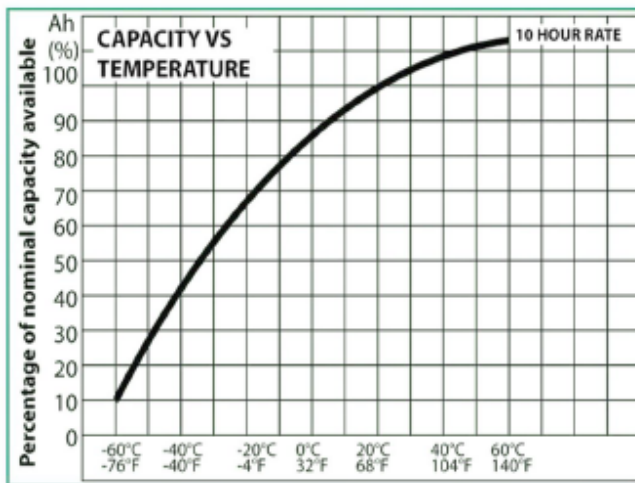
Electrical Performance



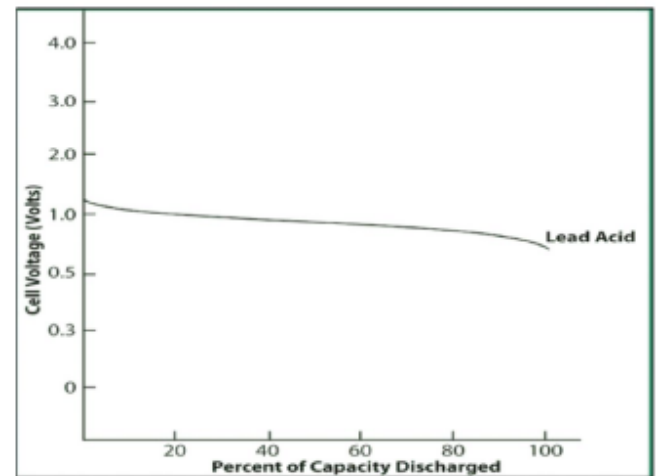
Expected Life Cycle



Charging Characteristics



Capacity vs Temperature



Discharging Characteristics

Technical Specifications

Model	LUMVTT12 SERIES TUBULAR				
Battery Rating	100 AH @C20	150 AH @C20	200 AH @C20	220 AH @C20	240 AH @C20
Type Of Battery	Tubular				
Model Offered	LUMVTT12- 100	LUMVTT12- 150	LUMVTT12- 200	LUMVTT12- 220	LUMVTT12- 240
Nominal Voltage	12V				
No. Of Cell	6				
Self-Life	6 Years				
Capacity @C20 upto ECV 1.75 vpc at 27° Celsius	100	150	200	220	240
Ampere Hour Efficiency	>90%				
Watt Hour Efficiency	>75%				
Battery Container	Polypropylene (PP)	Polypropylene (PP)	Polypropylene (PP)	Polypropylene (PP)	Polypropylene (PP)
Terminals	Lead -antimony alloy	Lead -antimony alloy	Lead -antimony alloy	Lead -antimony alloy	Lead -antimony alloy
Material of Separator	PE	PE	PE	PE	PE
Supplied Condition	Acid Filled	Acid Filled	Acid Filled	Acid Filled	Acid Filled
Sealing Method	Heat Sealing	Heat Sealing	Heat Sealing	Heat Sealing	Heat Sealing
Filled Weight (kg) ±2%	50.5	55	62.6	65	67
Gross Weight (kg) ±2%	52.5	57	64.5	68.5	69

*Technical Specifications are subjected to change without prior notice.

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