



TUBULAR GEL MAINTENANCE FREE BATTERY FOR INVERTER & SOLAR APPLICATION











· Higher Cycle life · Higher Energy density & Fast recovery in deep cycle · Maintenance Free · High Pressure Die Cast Spine Grids · Proven cycling & deep cycling capabilities

ABOUT US

The Eastman Global group began its journey in the year 1970 as a bicycle manufacturing and trading company. With over 47 long years of experience, the Eastman group enjoys an image of a strong corporate brand across the globe. The year 2006 became a landmark year when it made an emphatic entry into the power sector and incorporated Eastman Auto & Power Limited. EAPL is at the forefront of adopting the most modern technologies and processes to produce top of the line batteries. Our product portfolio include Tall Tubular Conventional Batteries, VRLA SMF Batteries, Inverter & Solar Products. We now introduce Eastman Automotive Batteries, E-Rickshaw Batteries & Tubular Gel Batteries.

OUR ACHIEVEMENTS

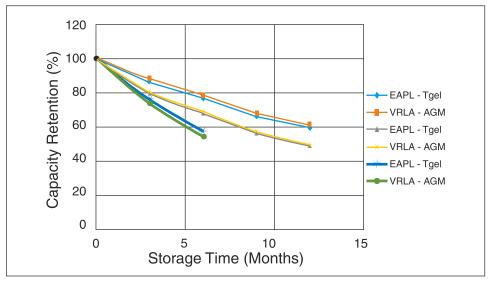




Comparison of Batteries with Different Technologies Available

S.No.	Features	AGM VRLA	Tubular Gel VRLA	
1	Cycle Life at 80% DOD (Normal Environment Condition)	360 Cycles at an Average Temperature of 25°C	>2000 Cycles for at 25° C	
2	Float Life at 35°C	Poor	Good	
3	Acid Stratification	Increases with Increase in Battery Capacity	No Such stratification	
4	Performance Under Partial State of Charge	Satisfactory	Good	
5	Stability Against Deep Discharge	Poor	Good Due to Micro Porous Separator	
6	Acid Dry Out	More	No Dry Out, provided control charging available from source	
7	Thermal Runaway	Present High Internal Recombination and Low Diffusion Resistances	Not Present Hindered Diffusion by Gel and the Micro Porous Separator	
8	Stability of Capacity Over Life	Low Dry out increase with battery life which Increases the Inner Resistance and Contracts The AGM due to Lack of Contact	Very Good Gel Remains wet due to small pores, Inner resistance constant, gel creeps to keep contact	

Capacity Drop In Storage T. Gel Vrla Vs Agm Vrla

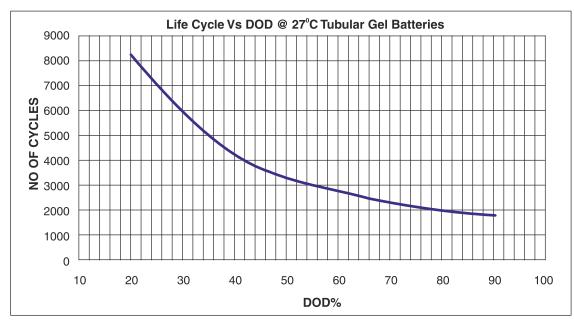


PRODUCT TECHNOLOGY

Application chart for Tubular Gel Battery

S.No.	Description	EG115P/E115G	EG165P/E116G	EG225P/E225G
1.	Capacity of Battery	100	150	200
2.	Rating	C10	C10	C10
3.	Voltage	12V	12V	12V
4.	Suitable for Offline UPS/Home UPS	YES	YES	YES
5	Suitable for online UPS	NO	NO	NO
6.	Suitable for solar streetlights	YES	YES	YES
7.	Suitable for Home solar systems	YES	YES	YES
8.	Туре	TUB-GEL	TUB-GEL	TUB-GEL
9.	Technology	GEL Tech	GEL Tech	GEL Tech
10.	Category	MF Type	MF Type	MF Type

Life Cycle Graph



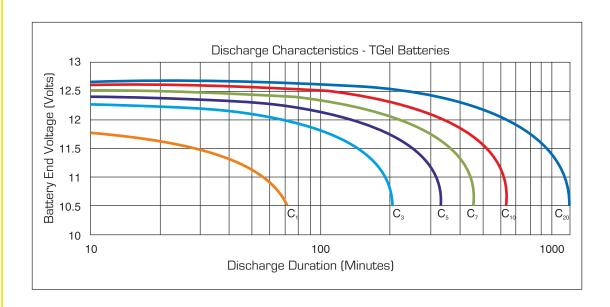
PRODUCT SERIES

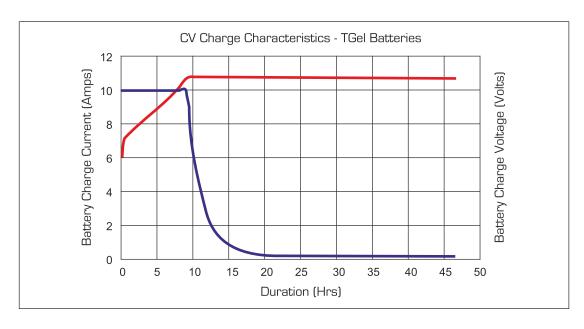


BATTERY RANGE

S.No.	Model No	Capacity @ C10	Dimensions (L X W X H)	Gross Weight (kg ±3%)	Filled Weight	Series
1	E115G	100	445 X 190 X 406	40.0	38.50	Regular Series
2	E165G	150	445 X 190 X 406	50.50	49.00	Regular Series
3	E225G	200	445 X 190 X 406	65.00	63.50	Regular Series
4	EG115P	100	445 X 190 X 406	43.10	41.50	Platinum Series
5	EG165P	150	445 X 190 X 406	55.50	54.00	Platinum Series
6	EG225P	200	445 X 190 X 406	70.30	68.70	Platinum Series

PRODUCT TECHNOLOGY





APPLICATION





Communication Power Supply



Emergency Backup Power Supply



Emergency Light



Office Automation Equipments





Aircraft Signal



Alarm & Security System



Auto Control Signal



Railway Signal



Medical Equipment



Electrical Power Systems (EPS)



Solar Street Light