COSLIGHT

CORPORATE OFFICE
Plot 122, Sector 4, IMT Manesar,
Una,Gurugram, 122050
MANUFACTURING UNIT
Village: Dhamandri, Tehsil & District:
Himachal Pradesh -174303 (India)

sales.corp@coslight.in
vrla@coslight.in

www.coslight.in

2V ADVANCED VRLA BATTERIES

vrla@coslight.in | www.coslight.in

COSLIGHT

AGM VRLA BATTERY SERIES

Coslight is the world's leading manufacturer of latest generation of batteries for industrial applications.

Coslight products are widely recognized to be reliable, safe, cost-efficient, longlife and environment friendly.

APPLICATIONS:

COSLIGHT

KEY FEATURES:

- Thin plated pure lead (TPPL) provides a large reactive surface area and low internal resistance.
- High energy density and cycling capability.
- No Acidic Fumes propagating green environment.
- An exceptional deep discharge recovery performance.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self-discharge characteristics.
- Thin plated pure lead (TPPL) batteries can be recharged within a short period of time.
- No service cost, just fit and forget

SIGNIFICANT BENEFITS:

- Superb charge acceptance for fast charge recharges capability.
- More energy and power.
- Exceptional cycling performance in both float and fast charge.
- Market-leading shelf life due to low rate ofself-discharge.
- Resilient to hot and harsh environments.

STANDARDS:

- Complies with the JIS 8702, IS 15549 : 2005 and IEC 60896 : 21 & 22.
- The management systems governing the manufacture of this product are ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified.

CONSTRUCTION:

- Special Proprietary Alloy used for the positive and negative grids and Highly Pure Lead used for the lead oxide to make the plates.
- Superior quality, low resistance micro porous glassmat separators.
- High grade dilute sulphuric acid absorbed into separator material for reduced maintenance.
- Container and cover in flame retardant UL94-V0 material, highly resistant to shock and vibration.
- Front terminal and end terminal of batteries use brass inserts.
- Self-regulating one-way pressure relief valves prevent air ingress.
- Flame arrestor fitted into each cell for increased operational safety.

INSTALLATION & OPERATION:

- Space efficient footprint.
- Valve Regulated Lead Acid (VRLA) design reduces maintenance requirements.
- Greater than 10 year life expectancy in float service at 77°F (25°C).
- TPPL technology provides increased active material surface area which yields increased energy density.
- Operating temperature:
  Discharge – -15°C- 50°C.
  Charge – 0°C- 40°C.
  Storage – -15°C- 40°C.

GENERAL SPECIFICATION:

Model	Nominal Capacity (in AH) @27°C	Nominal Voltage (V)	Dimension			Approximate Weight (in kgs) ±3%	Terminal type	Plastic
			L (mm)±3	W (mm)±3	H (mm)±3			
GFM-100	100	2	80.7	173.0	268.0	7.2	M6	ABS
GFM-120	120	2	80.7	173.0	268.0	7.9	M6	ABS
GFM-150	150	2	84.0	173.0	268.0	8.5	M6	ABS
GFM-180	180	2	92.3	177.6	372.0	11.7	M8	ABS
GFM-200	200	2	92.3	177.6	372.0	13.1	M8	ABS
GFM-300	300	2	135.0	178.5	372.0	18.3	M8	ABS
GFM-400	400	2	164.0	179.5	373.0	24.1	M8	ABS
GFM-500	500	2	206.7	180.0	373.0	29.5	M8	ABS
GFM-600	600	2	235.5	180.5	373.0	35.0	M8	ABS
GFM-1000	1000	2	419.6	181.6	382.0	60.0	M8	ABS

CONSTANT CURRENT DISCHARGE (AMPERE AT 25°C)

End Voltage	Minute						Hour						
	5	10	15	30	40	50	1	2	3	4	5	8	10
1.85V	1.86 C	1.60 C	1.05 C	0.71 C	0.61 C	0.54 C	0.50 C	0.32 C	0.24 C	0.19 C	0.16 C	0.11 C	0.09 C
1.80V	2 C	1.68 C	1.26 C	0.79 C	0.67 C	0.57 C	0.52 C	0.32 C	0.25 C	0.20 C	0.16 C	0.12 C	0.10 C
1.75V	2.2 C	1.78 C	1.40 C	0.81 C	0.69 C	0.6 C	0.55 C	0.33 C	0.26 C	0.21 C	0.17 C	0.12 C	0.10 C