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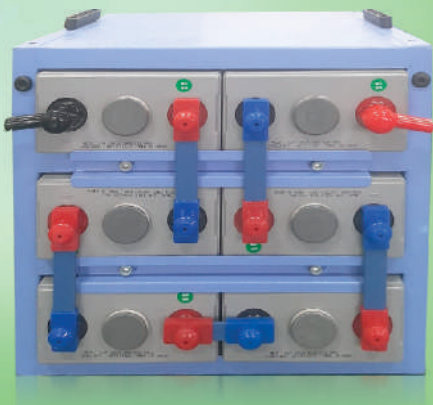


**HYBRID
VRLA
BATTERIES**



HYBRID AGM VRLA BATTERY SERIES FOR UPS/INVERTERAPPLICATIONS

Lento is the world's leading manufacturer of latest generation of batteries for industrial applications. Lento products are widely recognized to be reliable, safe, cost-efficient, long-life and environment friendly.



APPLICATIONS:



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.

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.

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.

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:

Battery Rating	Nominal Capacity (in AH) @27°C	Nominal Voltage (V)	Dimension			Approximate Weight (in kgs)5	Terminal type	Plastic
			L (mm)	W (mm)	H (mm)			
1400CT	100	12	532	180	290	46	M6	ABS
1800CT	120	12	532	180	290	51	M6	ABS
2200CT	150	12	532	180	290	56	M6	ABS
3000CT	200	12	600	185	390	75	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
11.1V	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
10.8V	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
10.5V	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

CHARACTERISTICS CURVE:

