LENTO
House of Green Energy

Registered Office: 05, Ground Floor,
Plot No. 556, School Block,
Shakarpur Delhi-110092

info@lentoindia.com

www.lentoindia.com

info@lentoindia.com | www.lentoindia.com.

ADVANCE VRLA

SMF Advance VRLA Battery 12V

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.

STANDARDS:

- Complies with the JIS 8702,
- 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:

Battery Rating	Nominal Voltage (V)	Length (mm) ±3	Width (mm) ±3	Height (mm) ±3	Weight (kg) ±1
CS 12-42	12	198	166	170	14.00
CS 12-65	12	350	167	190	20.00
CS 12-75	12	350	167	190	23.00
CS 12-84	12	331	173	225	26.00
CS 12-100	12	331	173	225	29.00
CS 12-125	12	484	170	239	38.00
CS 12-150	12	484	170	239	44.00
CS 12-180	12	522	239	225	54.00
CS 12-200	12	522	239	225	60.00

CONSTANT CURRENT DISCHARGE RATING AMPERES @ 27°C*

ECV	DURATION										
	10 min	15 min	20 min	30 min	60 min	02 hr	03 hr	05 hr	08 hr	10 hr	20 hr
9.6	2.128C	1.640C	1.334C	1.000C	0.633C	0.394C	0.269C	0.185C	0.115C	0.098C	0.054C
9.9	2.085C	1.627C	1.325C	0.995C	0.629C	0.378C	0.261	0.179C	0.113C	0.096C	0.053C
10.2	2.041C	1.613C	1.316C	0.990C	0.625C	0.362C	0.253	0.172C	0.110C	0.095C	0.051C
10.5	2.000C	1.588C	1.282C	0.981C	0.610C	0.357C	0.253	0.171C	0.110C	0.093C	0.050C
10.8	1.961C	1.839C	1.280C	0.962C	0.595C	0.355C	0.251	0.170C	0.109C	0.093C	0.050C

CHARACTERISTICS CURVE: