

An ISO 9001 : 2015 Company



TALL TUBULAR BATTERY



Excellent Ampere Hour & Watt Hour Efficiency



Ultra Low maintenance



Superior Cyclic Life



Designed to Operate in Partial State of Charge Condition

TALL TUBULAR BATTERY

The Tubular Plate technology enable batteries to deliver a larger amount of consistent, reliable power. They are engineered to deliver increased power and efficiency while maximizing the battery life The Tubular plate batteries performed better on heavy duty application even the maintenance required with this batteries is quite less. The batteries withstand long and frequent power cuts.

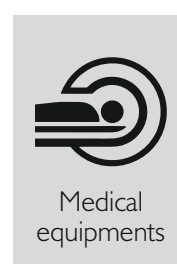
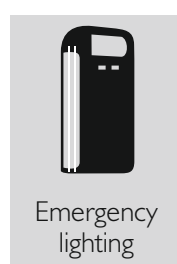
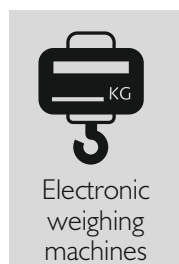
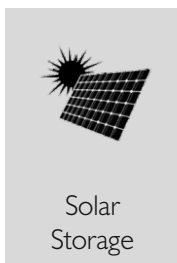


Features

Salient Features

- Long shelf life- heavy duty tubular plates to give you excellent cyclic life with deep cycle capabilities
- Excellent performance under extreme temperature conditions
- Aesthetically designed, low foot print- occupies less space
- Thick spines for excellent discharge performance on heavy loads
- Specially designed vent plugs for minimum acid fumes
Most compact Tall Tubular design with global acceptability
- Extra thick gaunlets suitable for harsh weather condition
- Leak proof heat sealed tall PP container
- Special alloys for low maintenance of batteries
- DARAMIC separator with high porosity,. low electrical resistance and excellent oxidation resistant
- Extra thick spines cast at high pressure to ensure minimum corrosion for reliability, extra-long life and strength
- Micro porous aqua trap vent plug to ensure minimum acid fumes which ensures low maintenance of batteries
- Ceramic flame arrest or prevents electrical spark to go in and therefore ensures highest degree of safety for all domestic and office usage.

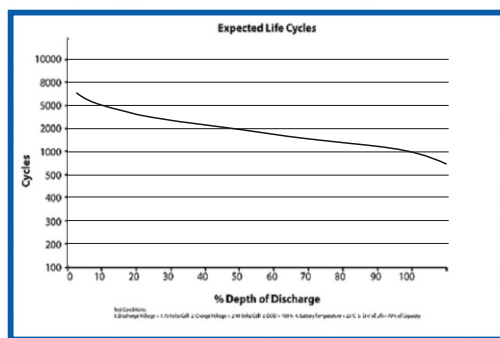
Applications



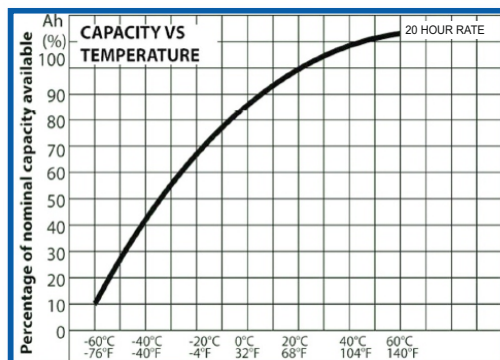
Model	AL 1000	AL 1500	AL 2000	AL 2200	AL 2400	AL 2500
Parameters	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
Container	PPCP	PPCP	PPCP	PPCP	PPCP	PPCP
Separator	PVC German	PVC German	PVC German	PVC German	PVC German	PVC German
Nominal Voltage	12V	12V	12V	12V	12V	12V
No. Of Cells	6	6	6	6	6	6
Design Life	8 Years	8 Years	8 Years	8 Years	8 Years	8 Years
Nominal Capacity(27°C)						
20 Hr Rate	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
10hr Rate	88Ah	132	176.0Ah	193.6Ah	211.2Ah	220Ah
3hr Rate	64.5	96.8	129	141.9	154.8	161.25
Self Discharge	<3%Pm	<3%Pm	<3%Pm	<3%Pm	<3%Pm	<3%Pm
Operating Temperature Range						
Discharge	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C
Charge	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C
Storage	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C
Max. Discharge Current 77°F(25°C)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)
Short Circuit Current	100A	150A	200A	220A	240A	250A
Charge Methods:	CCCV 77°F(25°C)					
Cycle Use	14.4-14.7V					
Maximum Charging Current	10A	15A	20A	22A	24A	25A
Temperature Compensation	75mV/300moh					
Standby Use	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V
Dimension	503x190x408	503x190x408	503x190x408	503x190x408	503x190x408	503x190x408
Weight+3% Kgs	52	56	64	66	68	71

IS 13369, IEC 60896-11 Stationary Lead Acid Battery, ISO 9001:2015, CE Complied.

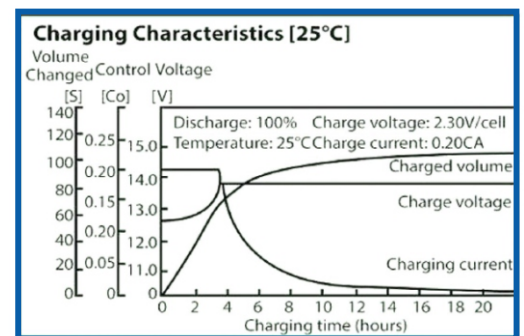
Electrical Performance



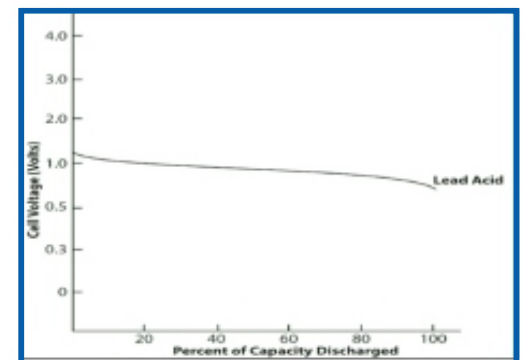
Expected Life Cycle



Capacity vs Temperature



Charging Characteristics



Discharging Characteristics



Sparco DS Global LLP