

BAZOOKA++

SOLAR TUBULAR BATTERY



Cross Section view of Acid Filled Tubular Battery

Stronger & more reliable

Advanced spines – for enhanced current flow through the grid for exceptional performance on heavy loads like an AC.

Thicker spines – maintain structural design and decrease failure rate due to corrosion.

Thicker tubular plates – for better performance, giving 1200 cycles @ 80% depth of discharge.



Longer Life & Reliable backup

Thicker tubular plates – give a better performance, giving 1200 cycles @ 80% depth of discharge (one cycle is one full charge state followed by full discharge).



Less space

Low footprint – of the specially designed battery container, with a lesser base, occupying less space, thus saving on costly floor space.





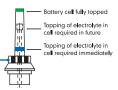
Saves maintenance cost & time

Additional fluidic head space – above battery plates serves longer between watering intervals and avoids frequent topping-up,

Easy maintenance

saving on maintenance.

Electrolyte level indicator – shows the level of electrolyte in each cell, making the maintenance much easier.



Risk-free & keeps environment clean

Effective fume arrestor – ensures complete safety, preventing any flame or spark from entering the battery. It saves it from the risk of explosions. It also prevents the release of gasses into the atmosphere.

Faster electrochemical reaction

Higher number of ribs – on the separator keeps the acid channel open for faster and better electrochemical reaction.

Prevents deep discharge

High cycle count – from strong plates, formed by HADI machine at 150 bar pressure, prevent the battery from going in deep discharge.

Robust 3D plate design with pressure die-casted spine and grid for higher design and service life

Double sided –ve grid with optimized pasting for fast charge acceptance

Lower internal resistance for power saving and for lower water loss

Salient Features Low self-discharge and high backup charge retainer technology

Woven gauntlets to ensure longer battery life

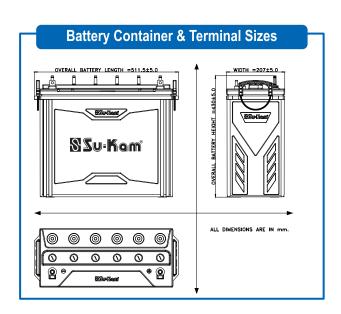
Spill proof vent plug resulting in no spillage and for controlled acid fumes

Technical Specification

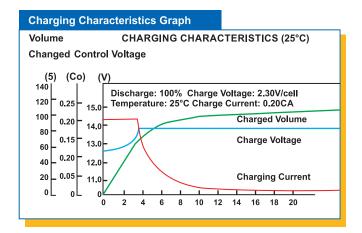
	BAZOOKA	++ JUMBO S	ERIES			
Battery rating	200Ah	220Ah	240Ah	260Ah	300Ah	
Type of Battery	Lead Acid Tall Tubular Battery					
Model Offered	To be decided by Marketing					
	Nominal Capacity (27 °C)					
Cell Capacity @ C20	200Ah	220Ah	240Ah	260Ah	300Ah	
Cell Capacity @ C10	176Ah	194Ah	211Ah	229Ah	264Ah	
Cell Capacity @ C 3	126Ah	139Ah	151Ah	164Ah	189Ah	
Nominal Voltage	12V					
Number of cell	6					
Ah Efficiency	>90%					
Wh Efficiency	>80%					
Grid Alloy	Lead Antimony alloy					
Container & Lid Material	PPCP					
Sealing Method	Heat Sealing					
Plate type	Tubular Positive, Flat Negative					
Separator	Polyethylene					
Terminal type	Bolted type terminals with lead coated fastners (M8)					
Electrolyte Level Indicator	Provided					
Supply condition	Factory charged					
Self Discharge at 27°C (average)	<3%					
Operating Temp. range	-20~55°C					
Recommended max. period of storage	3 months at 27°C@SOC>50%					
Design life	8-10 Years					
Dimensions (L x W x H) in mm	511x207x430					
Gross Weight (kg) ± 3%	67	68.5	70	73.5	81.5	

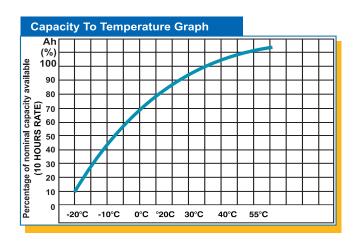
Charging Instructions

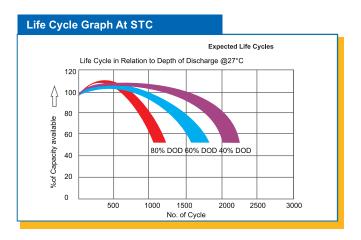
Charger Voltage Settings (at 25°C/77°F)						
System Voltage	12V	24V	48V			
Maximum Charge Current	0.2C10					
Maximum Absorbtion Phase Time (Hours)	4					
Cyclic / Absorption Voltage	14.4	28.8	57.6			
Float Voltage	13.6	27.2	54.4			
Standby / Equalization Voltage	16	32	64			
Do not install or charge batteries in a sealed or non-ventilated area. Regular under or overcharging can damage the battery or shorten its life.						
Periodic Charge	Provide a periodic freshening charge to					

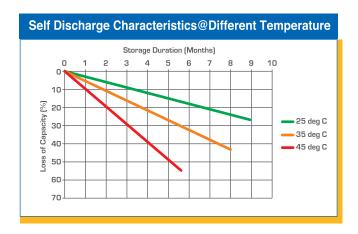


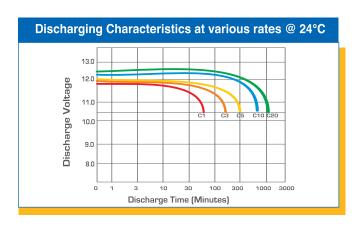
Electrical Specification

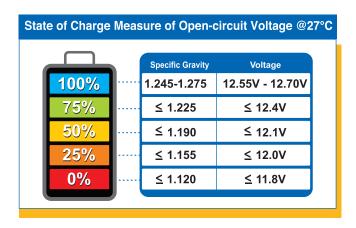














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