



# Powering a Greener Tomorrow



TALL TUBULAR SOLAR BATTERIES

PRODUCT PORTFOLIO - 2025



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# MANUFACTURING & INFRASTRUCTURE



## ABOUT US

We specialize in providing high-performance energy storage systems designed for homes. Whether you need reliable backup during power cuts or a dependable solar energy storage option, our range of lead-acid tubular batteries and lithium-ion batteries ensures you always have power when you need it.

**Power up** with  
**More backup time & Longer Life,**  
Store the Energy for Longer



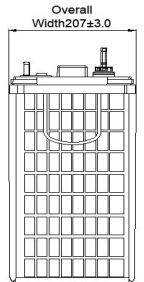
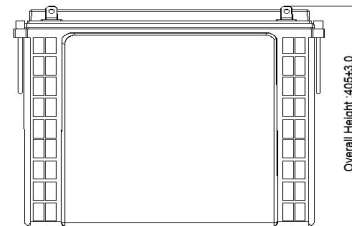
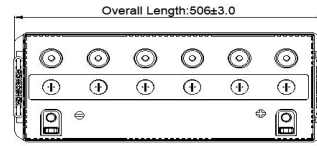
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## PRODUCT FEATURES

1. HADI Tubular Technology using high pressure casting for flawless grid.
2. High Acid volume per ampere hour to avoid battery going dry for longer life.
3. Latest PE Industrial Sleeve Separator for double life.
4. Deep Cycle Design for quick recovery from high depth of discharge.
5. Low self-discharge for longer shelf life
6. Resistance to abuse due to deep discharge
7. Very Low maintenance.
8. Heavy Duty Terminals suitable for carrying heavy current.
9. Made of 99.97% purity which enhances performance.



### Electrical Parameters & Charging Profile

Battery Specified Capacity Test @ 27 °C						
Model	C20 @10.5V	C10 @10.5V	C7 @10.5V	C5 @10.5V	C3 @10.5V	C1 @10.5V
100 [12 V 100 AH @ C20]	100	90	83	75	65	45
200 [12 V 200 AH @ C20]	200	180	166	150	129	90
240 [12 V 240 AH @ C20]	240	215	195	180	150	107
270 [12 V 270 AH @ C20]	270	243	223	202	174	122
300 [12 V 300 AH @ C20]	300	260	239	217	187	130
Ah & Wh Efficiency						
Ah Efficiency	>90%		Wh Efficiency		>75%	

### Technical Specifications

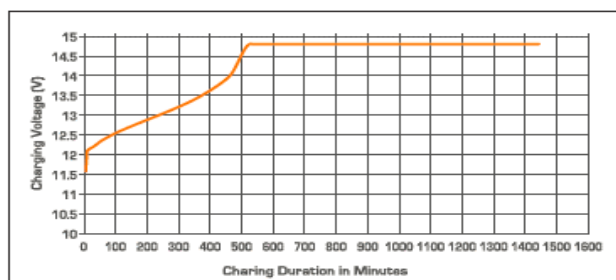
Model	Nominal Voltage	Rated Capacity 20 Hr @ 27°C (Ah)	Dimensions in mm			Gross Battery Weight [Kg] [±3%]	Terminal Type
			Length (±3 mm)	Width (±3 mm)	Height (±3 mm)		
100 [12 V 100 AH @ C20]	12	100	503	190	415	49.30	L
200 [12 V 200 AH @ C20]	12	200	505	205	415	68.00	L
240 [12 V 240 AH @ C20]	12	240	505	205	415	72.00	L
270 [12 V 270 AH @ C20]	12	270	505	205	415	74.50	L
300 [12 V 300 AH @ C20]	12	300	505	205	415	78.00	L
<b>200 C10</b> [12 V 200 AH @ C10]	12	200	505	205	415	67.60	L
<b>220 C10</b> [12 V 220 AH @ C10]	12	220	505	205	415	68.50	L

### Battery Specified Capacity Test @ 27 °C

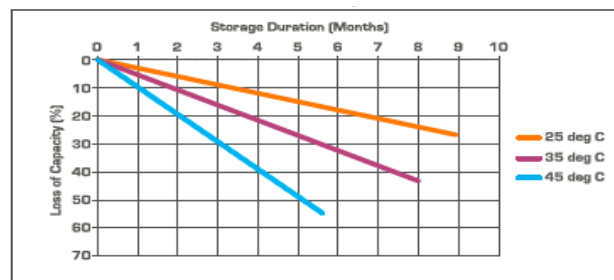
	C10 @10.5V	C7 @10.5V	C5 @10.5V	C3 @10.5V	C1 @10.5V
200 [12 V 200 AH @ C10]	200	165	155	125	91
220 [12 V 220 AH @ C10]	220	181	170	145	99

- Poly Components Material :- Polypropylene Co Polymer
- Watering System :- Individual to every cell in Monobloc
- Color :- White
- Testing Parameters :- IS 13369:1992 & IEC 60896-11 & 61407-1

### Charing Profile



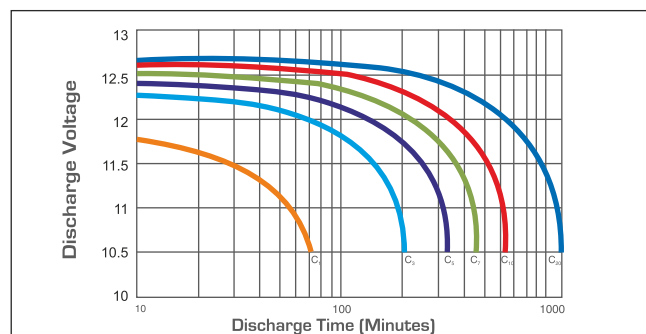
### Self Discharge Characteristics@ Different Temperature



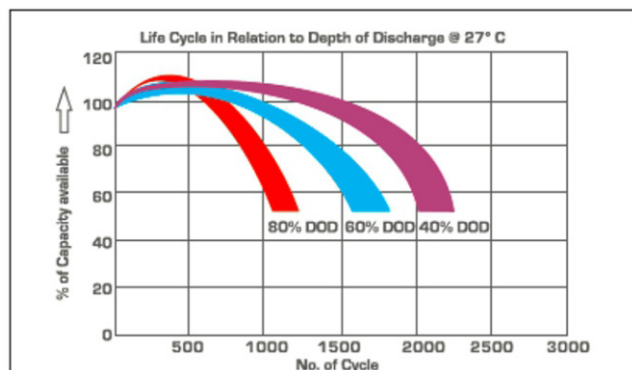
### State of Charge Measure of Open-Circuit Voltage @27 C

State of Charge	Specific Gravity	Voltage
100%	1.245-1.275	12.55V-12.70V
75%	$\leq 1.225$	$\leq 12.4V$
50%	$\leq 1.190$	$\leq 12.1V$
25%	$\leq 1.155$	$\leq 12.0V$
0%	1.120	11.8V

### Discharging Characteristics at Various Rates@ 27 C



### Service (Float) Life and Temperature



### Expected Capacity vs Temperature

