

The background of the advertisement is a close-up, isometric view of a large array of blue Ralicool batteries. The batteries are arranged in rows, with their terminals and connecting cables visible. The lighting creates a sense of depth and highlights the texture of the battery casing.

**RALICOOL**  
BATTERIES

*Committed  
to Perform*

**RALICOOL**  
BATTERIES

*"Committed  
to Perform"*

- 12V 100Ah
- HIGH POWER
- LOW MAINTENANCE

**PRODUCTS &  
KEY FEATURES**

[www.rabatteries.in](http://www.rabatteries.in)



## :: Performance Features



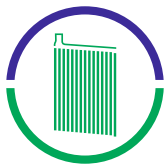
- **Longer Backups amidst frequent power outages**
- **Engineered for an extended lifespan**
- **Robust Tubular with High Pressure die-casted spine**
- **Low self discharge**



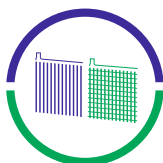
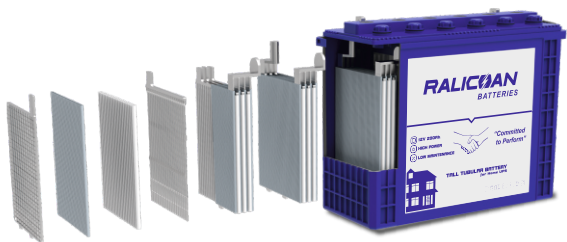
- Steady performance during deep cycles
- Capability to recuperate from deep discharge
- Spill Proof Vent Plug - low controlled acid fumes
- Very high service life



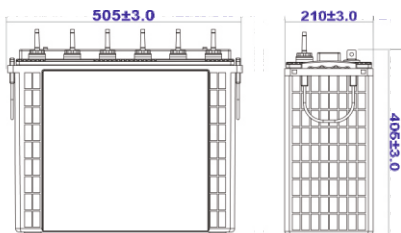
## :: Technical Features



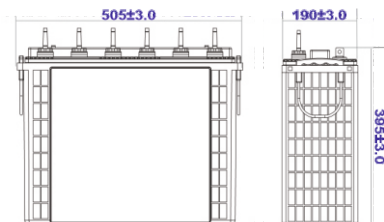
- **Unique grid Surface Design**
- **Enhanced adhesive of active grid material**
- **Engineered for extended plate life**
- **Excellent performance on deep cyclic application**
- **Consistent backup throughout life**



- **Thick Casted Grid for Positive & Negative Plates**
- **Improved charge acceptance**
- **Extended life and superior durability**
- **Optimized Negative paste receipt for fast charge acceptance**
- **Low water loss**



**IT-600**

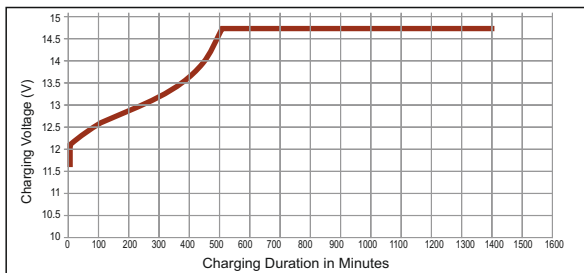


**IT-500**

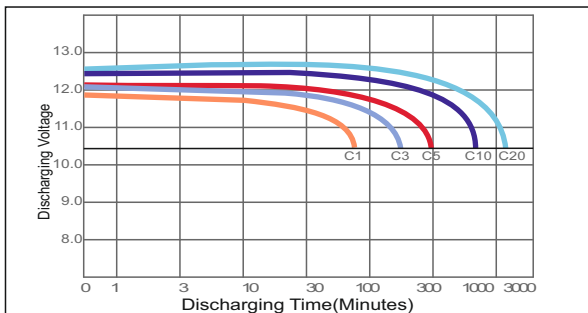
## TECHNICAL SPECIFICATION & MODELS

Models	Container type	Filled battery Weight ( Kg) ( $\pm 3\%$ )	Battery Specified Capacity Test @27°C
			C20 @10.5V
<b>RAB 120 E</b> (12V 120Ah @ C20)	IT-500	41	120
<b>RAB 150 E</b> (12V 150Ah @ C20)	IT-500	51.5	150
<b>RAB 160 E</b> (12V 160Ah @ C20)	IT-500	55	160
<b>RAB 180 E</b> (12V 180Ah @ C20)	IT-500	62	180
<b>RAB 200 E XL</b> (12V 200Ah @ C20)	IT-600	65	200
<b>RAB 225 E XL</b> (12V 225Ah @ C20)	IT-600	67	225
<b>RAB 250 E XL</b> (12V 250Ah @ C20)	IT-600	74.5	250
<b>RAB 280 E XL</b> (12V 280Ah @ C20)	IT-600	83	280

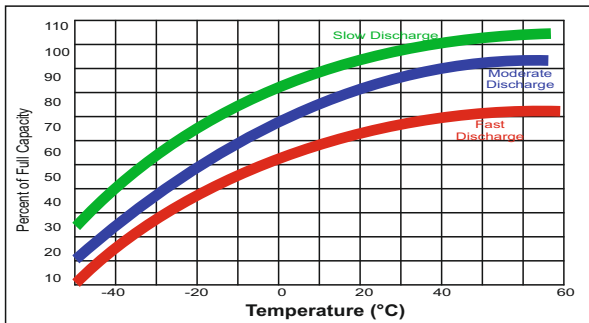
## Charging Profile



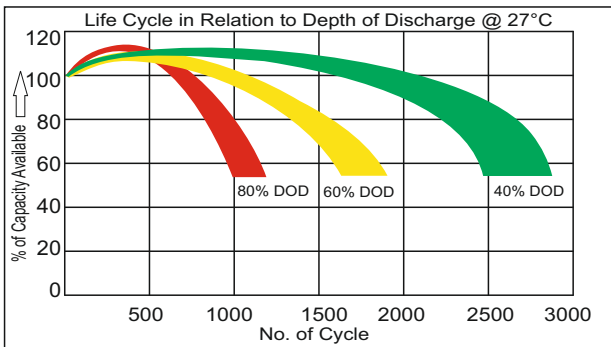
## Discharging Characteristics at various rates @27°C



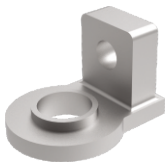
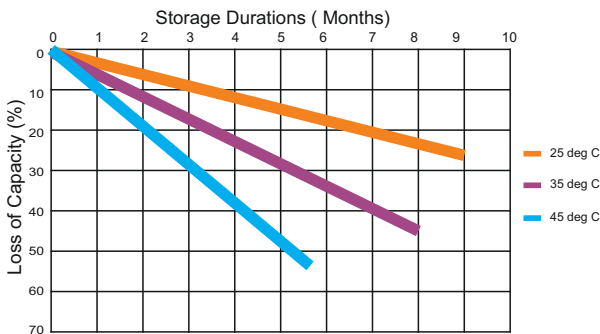
## Expected Capacity vs Temperature



## Expected Life



# Self Discharge Characteristics at Different Temperature



**Terminal Type-L**



**Vent Plug:-  
M22 Coin Type**



**Vent Plug:-  
M30 Dummy Plug**

## Specific gravity & Self Discharge w.r.t Temperature

<b>Charging Temperature Compensation</b>	Add	Subtract
	0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F
<b>Operational Data</b>	Operating Temperature	Self Discharge
	-4°F to 131°F (-20°C to +55°C) At temperature below 32°F (0°C) maintain a state of charge greater than 60%	As per discharge Graph

## Charging Instructions

### Charger Voltage Settings (at 77°F/25°C)

System Voltage	12V	24V	48V
Maximum Charge Current	0.2C10		
Maximum Absorption Phase Time(hours)	4		
Absorption Voltage	14.4	28.8	57.6
Float Voltage	13.6	27.2	54.4
Equalization Voltage	16	32	64



Ralicoan Batteries is the flagship brand of Apex Engineering Industries. Our batteries are redefining industry standards by delivering unsurpassed performance and reliability. We design, manufacture, market, and sell a wide range of lead acid storage batteries for Inverter and E-rickshaw applications. With a significant focus on innovation, we strive to consistently develop cutting-edge battery technologies that offer extended life spans, rapid charging capabilities, and consistent power output.

Our pursuit of customer satisfaction is unrivalled in the category, cementing our status as a reliable energy partner across diverse applications. Value for money is at the core of our offerings, so we provide the finest batteries designed to deliver long-lasting power while requiring ultra-low maintenance. Thus, minimising additional expenses and ensuring a hassle-free experience. RALICOAN Batteries - Inspiring Trust.

**RALICOAN GIVES YOU THE  
CONFIDENCE OF A POWERFUL,  
RELIABLE, LONG-LASTING,  
AND COST-EFFECTIVE BATTERY  
SOLUTION THAT WILL  
CONSISTENTLY EXCEED  
EXPECTATIONS.**



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