

RALICMAN
BATTERIES

मजबूत इरादा
पक्का वादा

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BATTERIES

12V 135Ah
LONG LIFE
LONG RANGE

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पक्का वादा

**PRODUCTS &
KEY FEATURES**

www.rabatteries.in



:: Performance Features



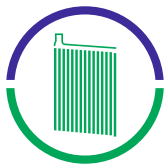
- **Longer Backups amidst frequent power outages**
- **Engineered for an extended lifespan**
- **Robust Tubular with High Pressure die-casted spine**
- **Low self discharge**



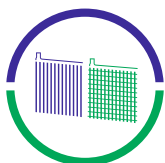
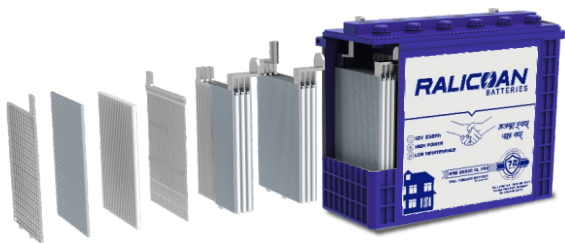
- **Steady performance during deep cycles**
- **Capability to recuperate from deep discharge**
- **Spill Proof Vent Plug - low controlled acid fumes**
- **Very high service life**



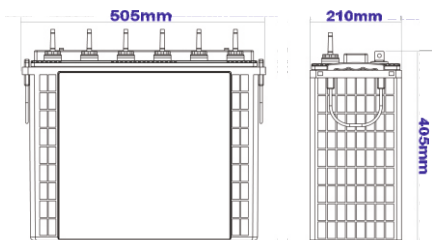
:: Technical Features



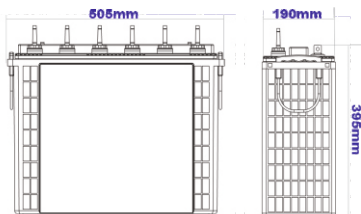
- **Unique grid Surface Design**
- **Enhanced adhesive of active grid material**
- **Engineered for extended plate life**
- **Excellent performance on deep cyclic application**
- **Consistent backup throughout life**



- **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

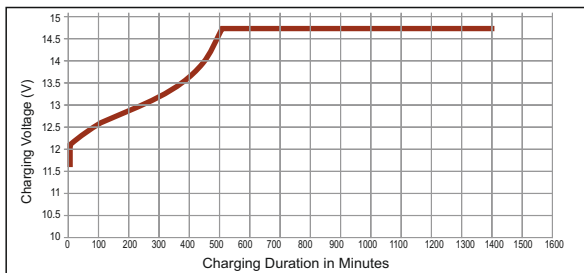


IT-500

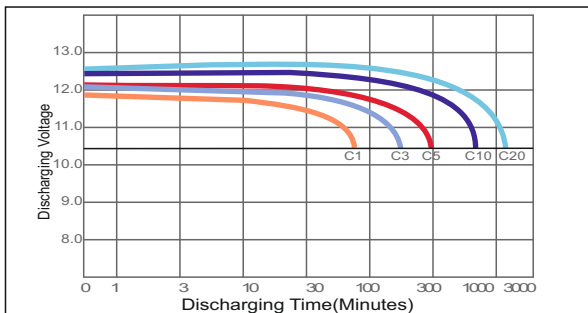
Models

Model	Capacity	Container Type	Warranty (Months)	Terminal Type	1st Backup @32 Amp./cutout 10.5V at 27°C
RAB 36000 XL	280 Ah	IT-600	36+24	L	5:40 Hrs.
RAB 30000 XL PRO	250 Ah	IT-600	36+24	L	5:00 Hrs.
RAB 28000 XL	225 Ah	IT-600	36+24	L	4:30 Hrs.
RAB 25000 XL	200 Ah	IT-600	36+24	L	4:00 Hrs.
RAB 24000	180 Ah	IT-500	36+24	L	3:40 Hrs.
RAB 20000	160 Ah	IT-500	36+24	L	3:20 Hrs.
RAB 25000 XL	200 Ah	IT-600	25+25	L	4:00 Hrs.
RAB 18000	150 Ah	IT-500	25+25	L	3:00 Hrs.
12 ER 135	135 Ah	N100JB	12	L	3:00 Hrs.
9 ER 135	135 Ah	N100JB	09	L	3:00 Hrs.

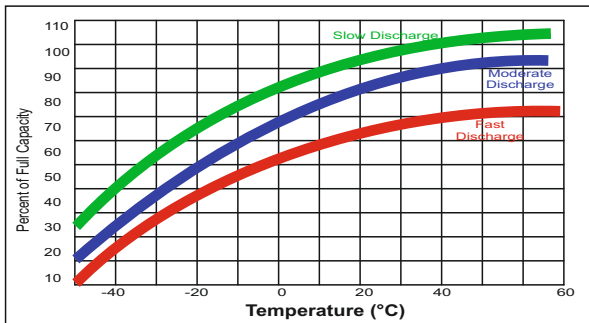
Charging Profile



Discharging Characteristics at various rates @27°C

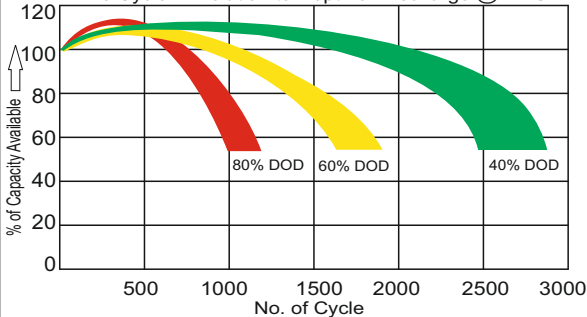


Expected Capacity vs Temperature

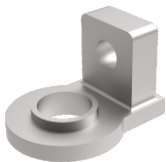
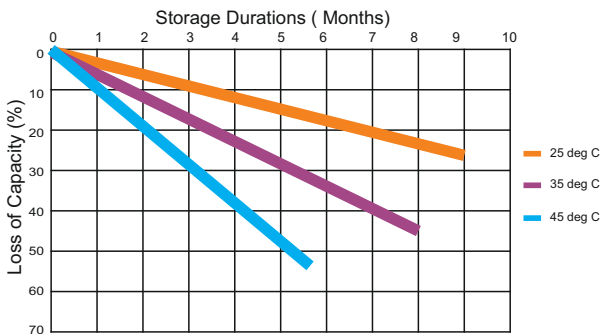


Expected Life

Life Cycle in Relation to Depth of Discharge @ 27°C



Self Discharge Characteristics at Different Temperature



Terminal Type-L



**Vent Plug:-
M22 Coin Type**



**Vent Plug:-
M30 Dummy Plug**

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

Specific gravity & Self Discharge w.r.t Temperature

Charging Temperature Compensation	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
Operational Data	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



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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