

The background of the entire image is a dense, repeating pattern of blue battery modules, each with black terminal caps and silver mounting brackets. In the upper right corner, the brand name "RALICMAN" is written in a large, bold, white sans-serif font, with a stylized lightning bolt graphic integrated into the letter 'C'. Below it, the word "BATTERIES" is written in a smaller, white, all-caps sans-serif font.

RALICMAN
BATTERIES

*Committed
to Perform*

RALICMAN
BATTERIES

*"Committed
to Perform"*

12V 120Ah
HIGH POWER
LOW MAINTENANCE

**PRODUCTS &
KEY FEATURES**

www.rabatteries.in



IT-600



IT-500



Performance Features

Technical Features

INVERTER BATTERIES



- Long-lasting Backup, Extended Lifespan, & Ecofriendly
 - Longer backups amidst frequent power outages
 - Engineered for an extended lifespan
- Robust Tubular with High Pressure die-casted spine
- Low self discharge



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



- 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

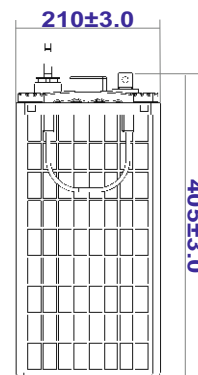
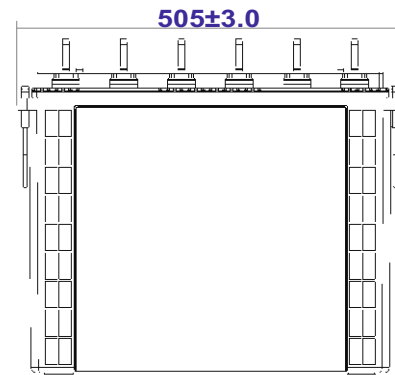


- Thick Casted Grid for Positive & Negative Plates
 - Improved charge acceptance
 - Extended life and superior durability
- Optimized Negative paste receipt for fast charge acceptance
- Low water loss

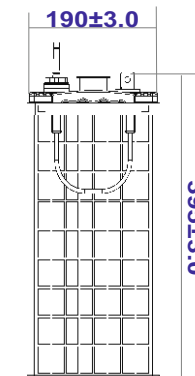
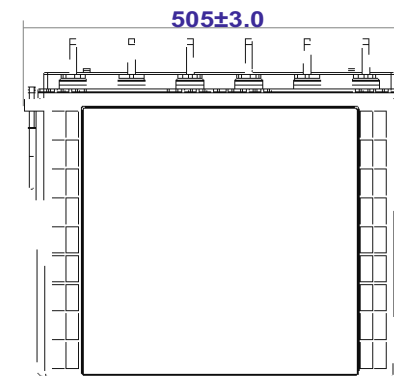
TECHNICAL PARAMETERS & MODELS



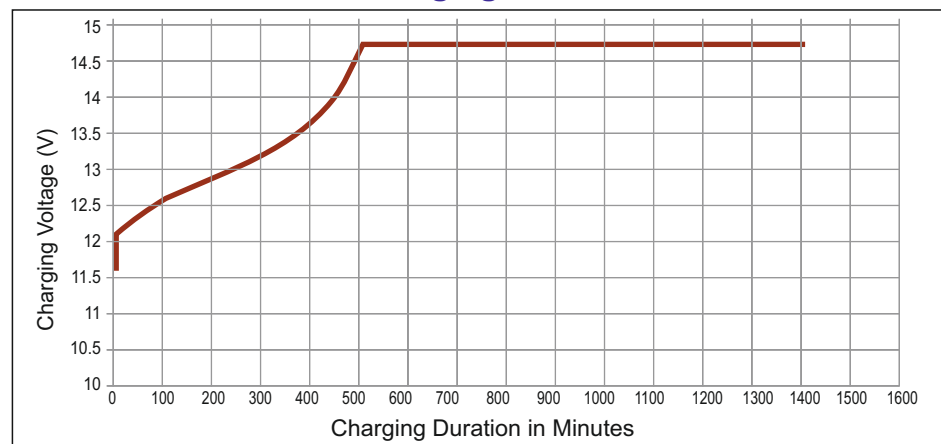
IT-600



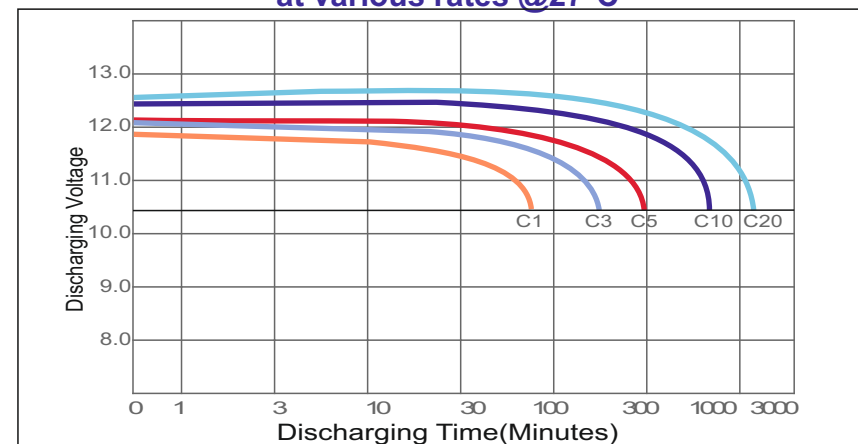
IT-500



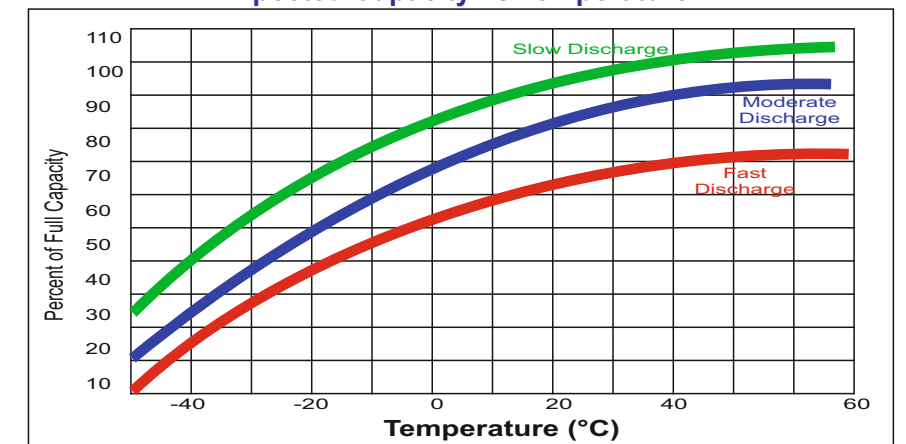
Charging Profile



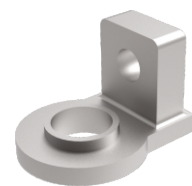
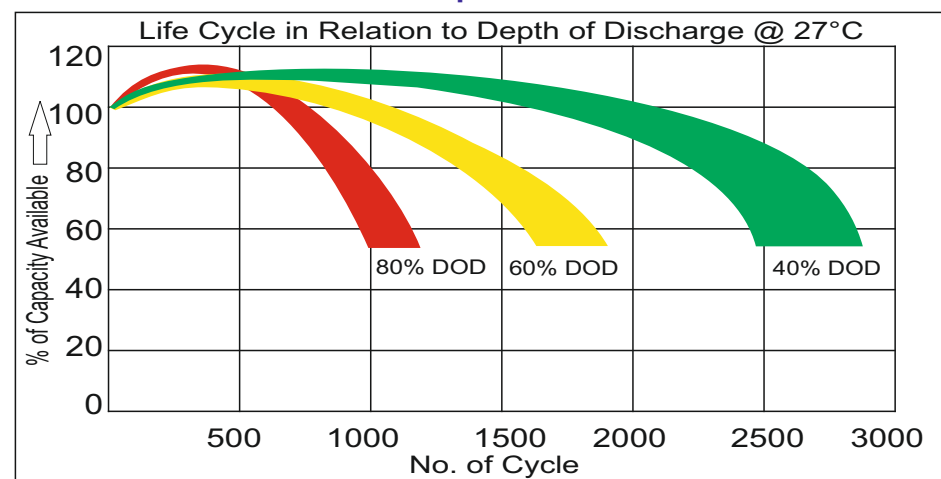
Discharging Characteristics at various rates @27°C



Expected Capacity vs Temperature



Expected Life



Terminal Type-L

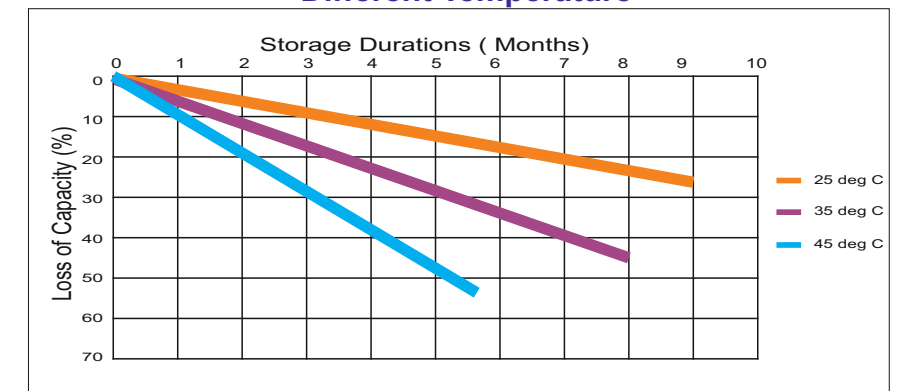


**Vent Plug:-
M22 Coin Type**



**Vent Plug:-
M30 Dummy Plug**

Self Discharge Characteristics at Different Temperature



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

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

Model	Container Type	Nominal Voltage	Dimensions in mm			Filled battery Weight (Kg) (±3%)	Terminal Type	Battery Specified Capacity Test @27°C					
			Length (±3mm)	Width (±3mm)	Height (±3mm)			C20@ 10.5V	C10@ 10.5V	C7@ 10.5V	C5@1 0.5V	C3@1 0.5V	C1@ 10.5V
RAB 120E (12V 120AH @ C20)	IT-500	12	505	190	395	41	L	120	106	100	96	81	60
RAB 150E (12V 150AH @ C20)	IT-500	12	505	190	395	51.5	L	150	132	126	120	102	75
RAB 160E (12V 160AH @ C20)	IT-500	12	505	190	395	55	L	160	140	135	128	109	80
RAB 180E (12V 180AH @ C20)	IT-500	12	505	190	395	62	L	180	158	151	144	122	90
RAB 200E XL (12V 200AH @ C20)	IT-600	12	505	210	405	65	L	200	176	168	160	136	100
RAB 225E XL (12V 225AH @ C20)	IT-600	12	505	210	405	67	L	225	198	189	180	153	112
RAB 250E XL (12V 250AH @ C20)	IT-600	12	505	210	405	74.5	L	250	220	210	200	170	125
RAB 280E XL (12V 280AH @ C20)	IT-600	12	505	210	405	83	L	280	246	235	224	190	140



Ralicoan Battery 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, 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 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, minimizing 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
SOLUTIONS THAT WILL
CONSISTENTLY EXCEED
EXPECTATIONS.**



**RA BATTERIES
Pvt. Ltd.**

Regd. Off: 615-616 Ocus Quantum, Sector 51, Gurgaon - 122003
Works: C-51, 52, Focal Point, Kapurthala, Punjab, INDIA - 144601
For Any Assistance Call or WhatsApp: +971 52 649 7899
Email: info@rabatteries.in | www.rabatteries.in