

# LUMINOUS

## SHORT TUBULAR RC15000 PRO

Built with superior plate design and high electrolyte volume, LUMINOUS inverter batteries deliver high performance each cycle & are capable to deliver long cycle life. LUMINOUS range of inverter batteries promises uninterrupted power supply for long hours, LUMINOUS inverter batteries can meet frequent deep discharges, ensure reliability over months, needs less maintenance, ensure minimum emission of gasses and no or minimum acid fumes.



<b>MODEL:</b>	RC15000 PRO
<b>BATTERY:</b>	FLOODED SHORT TUBULAR
<b>VOLTAGE:</b>	12V
<b>DIMENSIONS:</b>	Millimeter
<b>COLOR:</b>	White (case) Black (cover)
<b>MATERIAL:</b>	Polypropylene

FEATURES	ADVANTAGES
<b>PLATE TECHNOLOGY</b>	High performance positive plates made with Advanced Automatic wet filling process to ensure high surface area & consistent paste density throughout the plates. Spines made with Special alloy composition & HADI high pressure die casting machines to ensure defect free Casting with high corrosion resistance.
<b>EXTRA ELECTROLYTE</b>	Extra Tall containers to store 30% more electrolyte to ensure less frequent water topping
<b>HIGH GRADE IMPORTED SEPARATOR</b>	Less electrical resistance, High oxidation resistance, high porosity, High charging efficiency.
<b>CERAMIC WATER LEVEL MANAGEMENT</b>	Optimally porous ceramic level indicator suppresses water loss & promote safety along with cleanliness reducing water topping frequency.
<b>ENVIRONMENT FRENDRY &amp; SAFE</b>	Environment friendly and safer as it emits less fumes and absolutely low maintenance.

TECHNICAL SPECIFICATION								
Model Nomenclature	Voltage	Capacity @ C20	Battery Overall Dimensions (± 3 mm)				Battery weight (±5%)	Battery packed weight (±5%)
RC15000 PRO	12V	120Ah	Length	Width	Height upto terminal ±3 mm	Height upto float top ±3 mm	39 Kgs	40.2 Kgs
			505	220	285	306		

ELECTRICAL SPECIFICATION				
CAPACITY AMP-HOURS (Ah)			INTERNAL RESISTANCE	
20Hr	10Hr	5Hr	6.4 (mΩ)	
120	101	84		

\*\* All data based on stabilized battery capacity on new battery, under controlled laboratory test conditions

### CHARGING INSTRUCTIONS

BOOST CHARGING (Amp)		TRICKLE MODE CHARGING (mAmp)	
STARTING RATE	FINISHING RATE	MINIMUM	MAXIMUM
12.1	6.0	101	403

### CHARGE CHARACTERISTICS (27°C)

Cycle Use	Standby Use
14.40 – 15.0V (-40mV/°C), Maximum Current 18A	13.60 - 13.80V (-20mV/°C)

\*Battery to be recharged in CV mode only

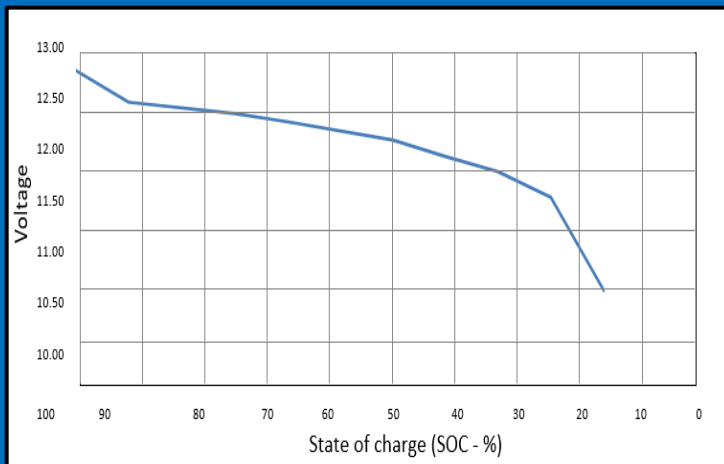
### CHARGING TEMPERATURE COMPENSATION

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 above 25°C 0.0028 Volt per cell for every 1°F above 77°F

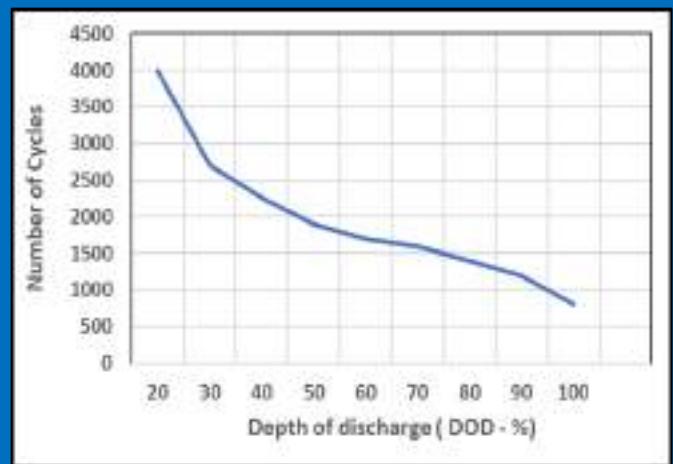
### OPERATIONAL DATA

OPERATING TEMPERATURE		SELF DISCHARGE	
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.		Less than 3% per month at 20°C temperature conditions.	
Rated Capacity at ambient temperature	As per formula: $C_t = C_{27} \{1 + 0.0043(t - 27)\}$	Self-Discharge	Conforms to IS13369-1992

### STATE OF CHARGE CHARACTERISTICS



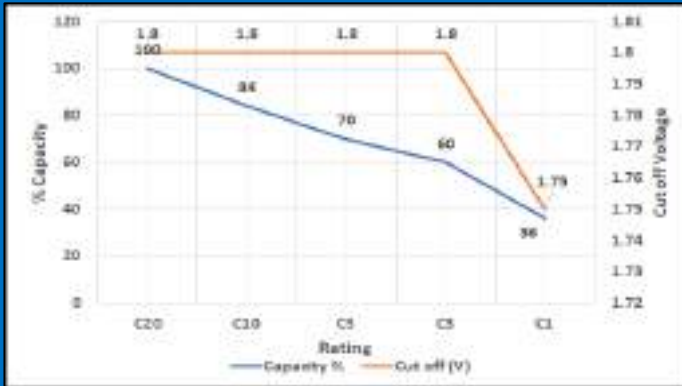
### TYPICAL DOD Vs LIFE CYCLE



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SHORT TUBULAR  
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## DIFFERENTIAL CAPACITY / RATING @ 27°C



## List of Accessories\*\*



Float Indicator  
(06 Nos.)



M8 Fastener Set\*  
(02 Set)

Negative Terminal cap  
(01 No.)



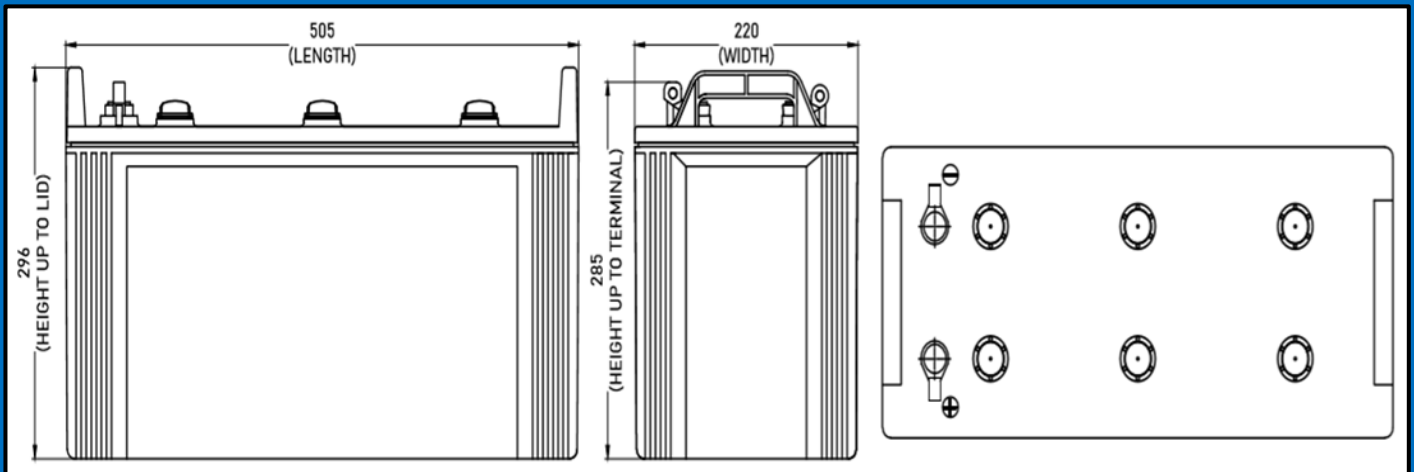
Positive Terminal cap  
(01 No.)



\*\*All accessories provided "Free of Cost" along with the batteries.

\*Fastener Set (1No. Bolt, 1No. Nut, 2Nos. plain washer & 1No. spring washer.

## BATTERY DIMENSIONS:



Dimensions are based on nominal size. For tolerances refer above the table

Disclaimer: Specifications may change due to continual improvement and change in product design.