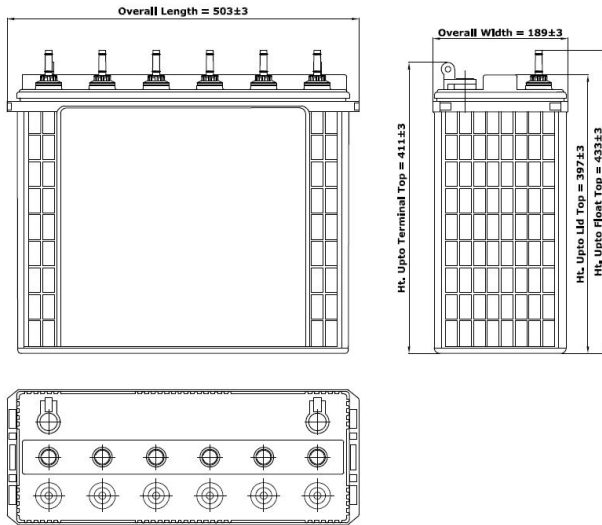


## PRODUCT DATASHEET



### ILTT EX Range



**\*\* OVERALL DIMENSIONS FOR TT BATTERY\*\***

Features :

- Tubular plate design specifically tailored for deep cycle usage under Indian operating conditions
- Tower type PPCP container-cover design, assuring significantly higher electrolyte level above plates
- In-line level indicator for easier access
- Special envelope separator minimizes possibility of internal short circuit
- Confirms to IS13369-1992

Advantages :

- High life, low maintenance
- Suitable for use in areas with frequent power cuts
- Optimized material usage

Technical Specification:

Model Ref.	SAP Code	Nominal Voltage	C20 Capacity at 27°C till 10.5V (Test gravity 1.240±0.005)	Overall Dimensions			Filled Wt.
				Length	Width	Height up to Terminal top	
		(Volt)	(Ah)	± 3 mm	± 3 mm	± 3 mm	±5% Kg
ILTT EX 18048	F1134CBV0150	12.0	150	503	189	411	55.5
ILTT EX 24048	F1103CAZ0180		180				59.4
ILTT EX 26W48	F1102C141220		220				64.7

**Contact Details:**  
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 Phone: +91-124-477 6700, www.luminousindia.com

# PRODUCT DATASHEET



## ILTT EX Range

Constant power discharge performance\*\* :

Model Ref.	Maximum Duration at				
	500W	400W	300W	200W	100W
ILTT EX 18048	2 Hr 10 Minutes	3 Hr 00 Minutes	4 Hr 30 Minutes	7 Hr 30 Minutes	18 Hr 30 Minutes
ILTT EX 24048	2 Hr 40 Minutes	3 Hr 35 Minutes	5 Hr 05 Minutes	8 Hr 20 Minutes	19 Hr 15 Minutes
ILTT EX 26W48	3 Hr 30 Minutes	4 Hr 30 Minutes	6 Hr 20 Minutes	10 Hr 30 Minutes	24 Hr 40 Minutes

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

Capacity Ampere-Hour (AH) \*\* :

Capacity	ILTT EX 18W48	ILTT EX 24W48	ILTT EX 26W48
20-Hr	150	180	220
10-Hr	126	151	184
5-Hr	105	126	154

Charging Instructions\*\* :

Model Ref.	Boost Charging		Trickle Mode Charging	
	Starting Rate	Finishing Rate	Minimum	Maximum
	Amp	Amp	mAmp	mAmp
ILTT EX 18048	15.1	7.6	126	504
ILTT EX 24048	18.1	9.1	151	605
ILTT EX 26W48	22.1	11.1	185	739



# PRODUCT DATASHEET

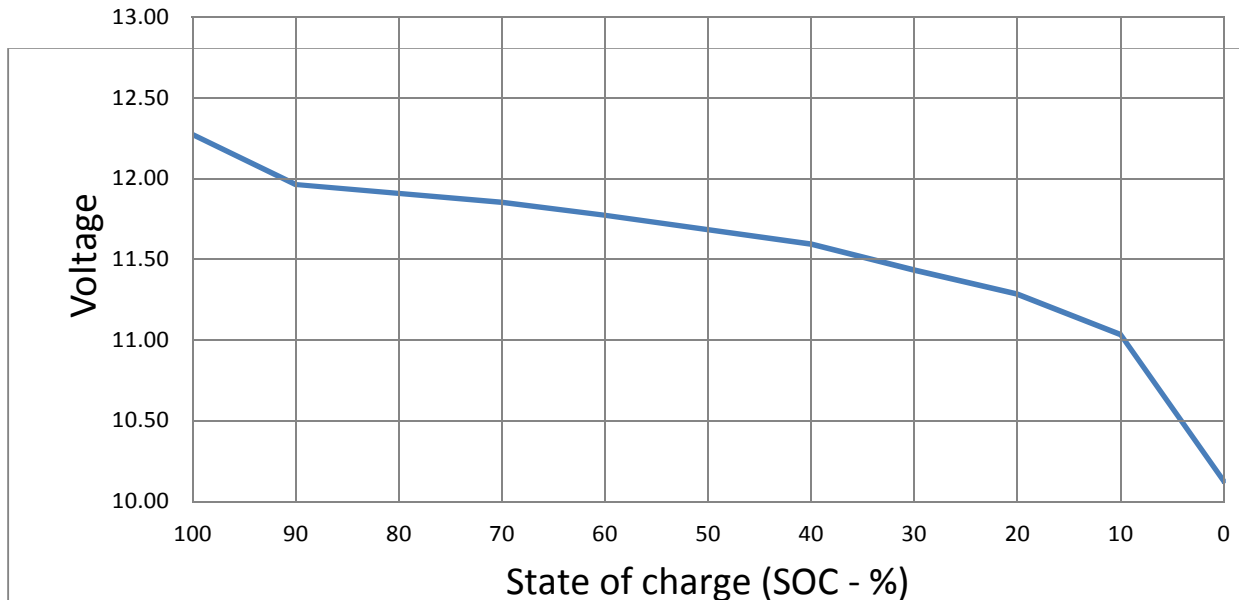


**Charging Temperature Compensation\*\* :**

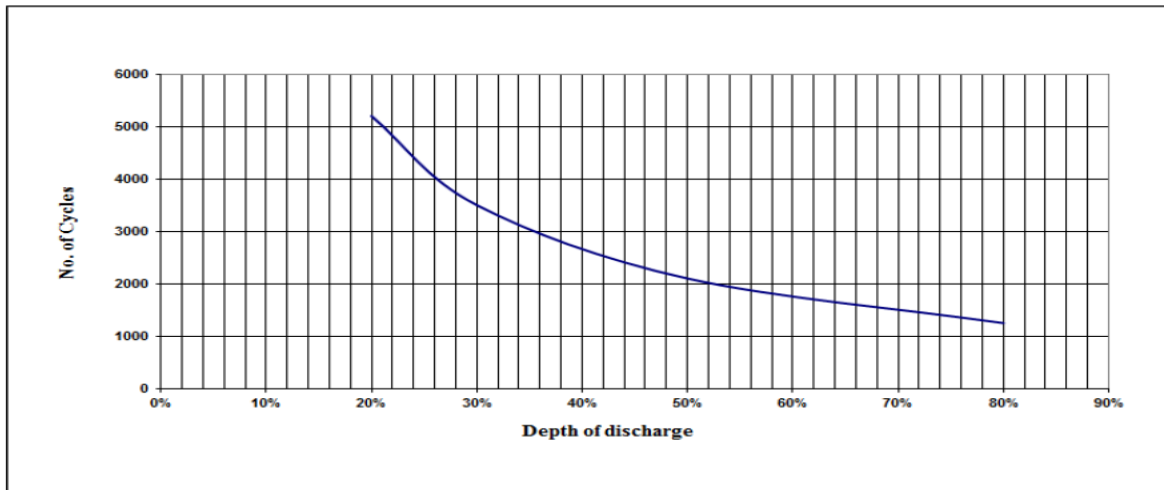
ADD	Subtract
0.005 Volt per cell for every 1°C below 25°C 0.0028 Volt per cell for every 1°F below 77°F	0.005 Volt per cell for every 1°C above 25°C 0.0028 Volt per cell for every 1°F above 77°F

**Operational Data\*\* :**

Rated Capacity at minimum ambient temperature	AH	As per formula: $C_t = C_{27}\{1 + 0.0043(t - 27)\}$
Rated Capacity at maximum ambient temperature	AH	As per formula: $C_t = C_{27}\{1 + 0.0043(t - 27)\}$
Self-Discharge		Conforms to IS13369-1992



**Cycle life of 12V Tubular Monoblock at Inverter application :**


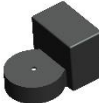


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## PRODUCT DATASHEET



List of Accessories:

Sl. No.	Description	Photo	Quantity
1	Float Indicator		6 nos.
2	M8 Fastener set (Set comprises 1 no. Bolt, 1 no. Nut, 2 nos. plain washer & 1 no. spring washer)		2 sets
3	Positive Terminal Cap		1 nos.
4	Negative Terminal Cap		1 nos.

All accessories provided "Free of Cost" along with the batteries

Lead acid battery Dos & DON'Ts :

DOs	DON'Ts
<p>Always store the batteries in cool, dry area. Freshening charge to be given if the battery is stored beyond 3 months</p> <p>Read installation carefully instructions before installation</p> <p>Battery to be installed away from heat source, sparks and open flames. Terminals to be tightened ensuring recommended torque</p> <p>After installation, replace vent plugs with float indicator. Use petroleum jelly over terminal &amp; fasteners.</p> <p>Based on float indicator indication, battery to be topped up using DM water only. NEVER acid to be added to battery. Clean the batteries top surfaces &amp; when dust accumulates. All extra water from the battery surface, to be wiped off after battery topping up.</p> <p>Provide sufficient ventilation around battery</p> <p>Battery should not be left in a discharged condition. Immediately after discharge battery to be recharged</p> <p>Check for proper setting of inverter. Send filled up warranty registration card to company for better after sales service</p>	<p>Don't transport battery in tilted condition</p> <p>Don't keep the battery directly exposed to rain, dust or sunlight</p> <p>Don't try to dismantle the battery</p> <p>Don't tamper the terminals &amp; safety valves, if any.</p> <p>Don't overtighten the connectors</p> <p>Don't short circuit the battery terminals</p> <p>Don't mix the batteries of different Ah, different age &amp; different manufacturer.</p>

Note : In case of any issues or questions regarding your Luminous battery, please contact your nearest Luminous Representative.

