

# INTERLIGHT®

## TALL TUBULAR BATTERY



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(120Ah to 240Ah)



MEETS IEC 61427-1 SPECIFICATIONS

**CHARGE  
YOUR  
TOMORROW**

**INTERLIGHT®**



**NO  
INTERNAL PACKING**



**LOW  
MAINTENANCE**



**FASTER  
RECHARGE**



**SUPERIOR  
VOLTAGE**



**PATENTED CONTAINER  
287292, 287295**



**PARTIAL STATE OF  
CHARGE CONDITION**



**LONGER  
LIFE**



**INCREASED  
BACK-UP**

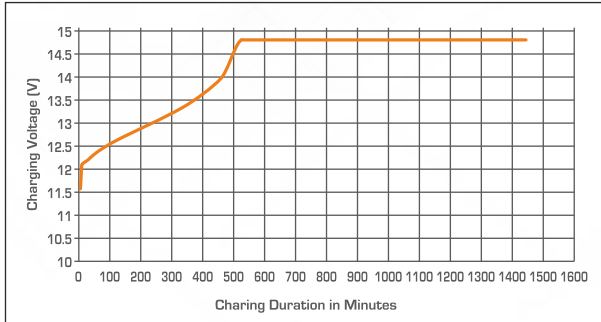
Note: Color of the product may vary from the original color in this document.

This catalogue is issued to provide outline information only and is not deemed to form part of an offer or contract. Our policy is one of continued improvement and we reserve the right to change details without prior notice.

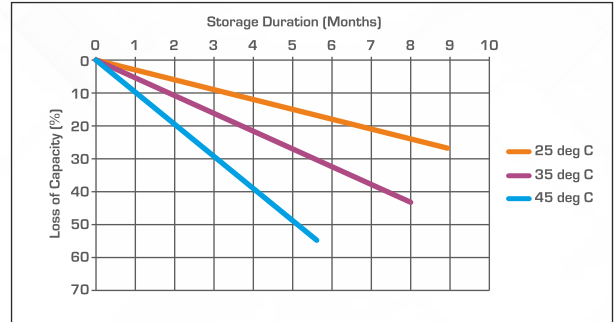


- **Poly Components Material:** Polypropylene Co polymer
- **Watering system :** Individual to every cell in Monobloc
- **Color :** Blue
- **Testing Parameters :** IS 13369:1992 & IEC 61427

**Charging Profile**



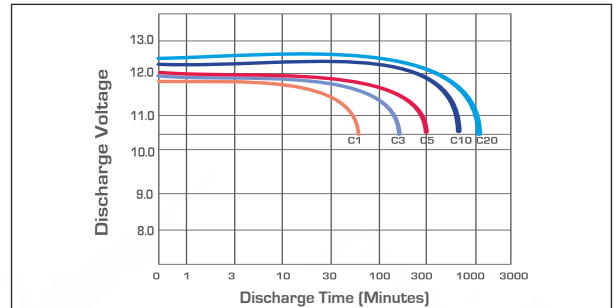
**Self Discharge Characteristics @ Different Temperature**



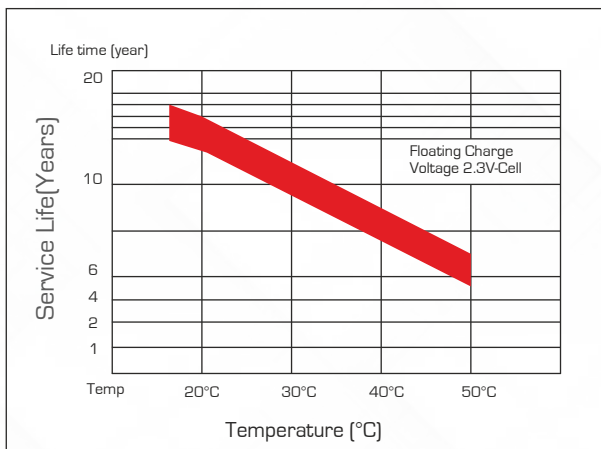
**State of Charge Measure of Open-circuit Voltage @ 27°C**

State of Charge	Specific Gravity	Voltage
100%	1.240±10	12.55V-12.70V
75%	1.125±10	≤12.4V
50%	1.200±10	≤12.1V
25%	1.175±10	≤12.0V
0%	1.150±10	11.8V

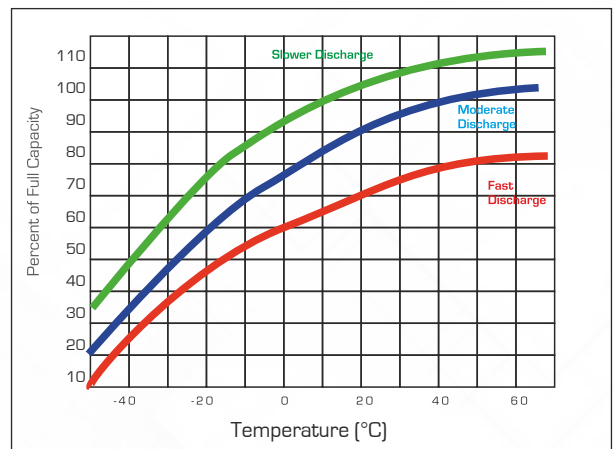
**Discharging Characteristics at various rates @ 27°C**



**Service (Float) Life and Temperature**



**Expected Capacity vs Temperature**



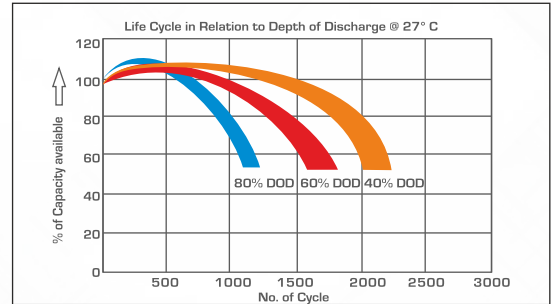
Interlight Battery Manufacturing Certified by



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

	Add	Subtract
CHARGING TEMPERATURE COMPENSATION	0.005 volt per cell for every 1°C below 25°C	0.005 volt per cell for every 1°C above 25°C or
	0.0028 volt per cell for every 1°F below 77°F	0.0028 volt per cell for every 1°F above 77°F
OPERATIONAL DATA	Operating Temperature	Self Discharge
	-4°F to 131°F (-20°C to +55°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	As per discharge Graph

## Expected Life

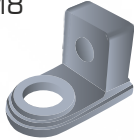


## Charging Instructions

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
Do not install or charge batteries in a sealer or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.			
Periodic Charge	Provide a periodic freshening charge to maintain a SOC greater than the threshold of 70%		

## Terminal Configuration

**Terminal Type :** L  
**Terminal Height :** 26.5 mm  
**Terminal Width :** 25.7 mm  
**Terminal Length :** 42 mm  
**Bolt Type :** M8



## Transport Vent Plug Type

MF Locking

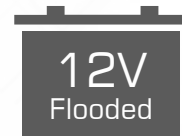
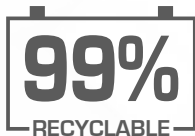


## Flot Type

Locking Flot indicator cum watering lid for each cell



## Recycle Responsibly



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**IEC** Meets IEC 61427-1 Specifications

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