INTERLIGHT®

CHARGE YOUR TOMORROW

Tall Tubular Batteries

8MM THICK PLATE TECHNOLOGY

TALL TUBULAR BATTERIES

(200Ah to 350Ah)

HD TECHNOLOGY

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.

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Tall Tubular Batteries

Product Features :-

1. Robust Tubular with High Pressure diecasted spine- resulting low rate of spine corrosion.
2. Spill Proof Vent plug – resulting in no spillage on top and low controlled acid fumes.
3. Optimized Negative paste receipt for fast charge acceptance
4. Consistent backup throughout life
5. Excellent behavior in PSOC condition as compare
6. Low Self Discharge
7. Excellent performance on deep cyclic application as compare to AGM VRLA
8. Patented Design & Service Life
9. Low water loss
10. Long Cycle Life

Range available:200Ah to 350Ah

TECHNICAL DATA

TALL TUBULAR BATTERIES REGULAR SERIES

Type of Battery	Nominal Voltage	Capacity@C20at 27°C-Ah	Dimensions mm (LxWxH)+/-3mm	Gross Battery weight+/-3% [Kg]	Battery Layout
IL200TTL	12	200	506X190X479	66	- +
IL200TT	12	200	506X190X479	68	- +
IL250TT	12	250	506X190X479	70	- +
IL350TT	12	350	506X190X479	78	- +

Electrical Parameters & Charging Profile

Battery Specified Capacity Test @ 27°C					
MODEL	C20 @ 10.5V	C10 @ 10.5V	C5 @ 10.5V	C3 @ 10.5V	C1 @ 10.5V
IL200TTL (12 V 200AH @ C20)	200	180	150	129	90
IL200TT (12 V 200AH @ C20)	200	180	150	129	90
IL250TT (12 V 250AH @ C20)	250	198	165	142	99
IL350TT (12 V 350AH @ C20)	350	308	263	226	175

Ah & Wh Efficiency			
Ah Efficiency	>90%	Wh Efficiency	>75%

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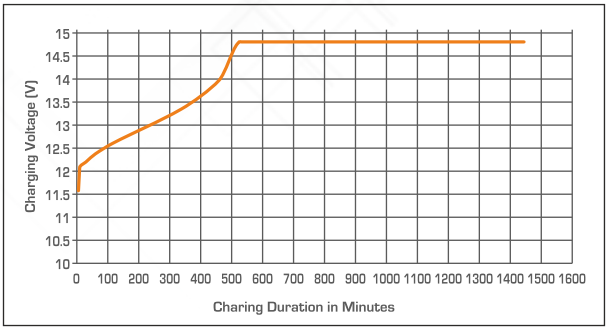
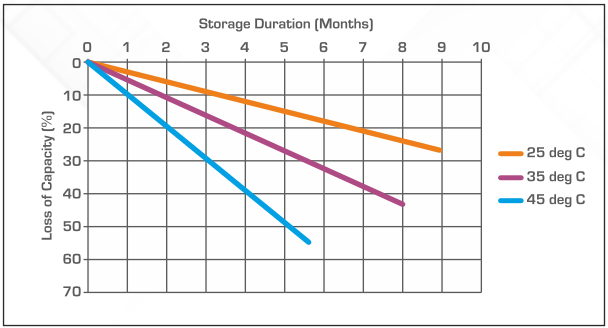
- **Poly Components Material:** Polypropylene Co polymer
- **Watering system :** Individual to every cell in Monobloc
- **Color :** Blue
- **Testing Parameters :** IS 13369:1992 & IEC 61427

Charging Profile



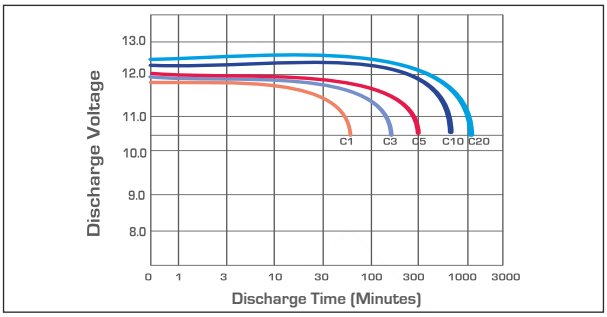
Self Discharge Characteristics @ Different Temperature



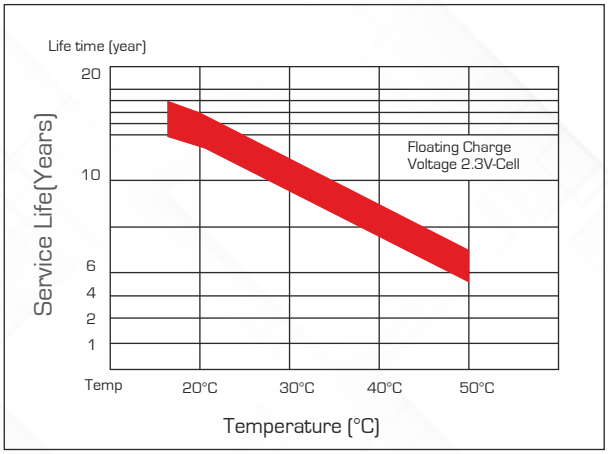
State of Charge Measure of Open-circuit Voltage @ 27°C

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

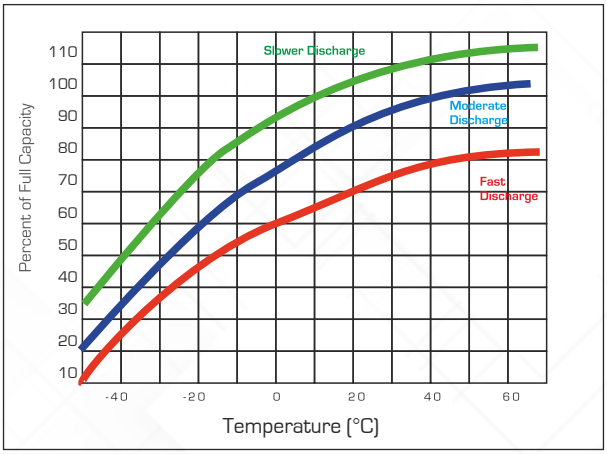
Discharging Characteristics at various rates @ 27°C



Service (Float) Life and Temperature



Expected Capacity vs Temperature



Interlight Battery Manufacturing Certified by

IEC CE ISO 9001:2015 CERTIFIED ISO 14001 NABL CERTIFIED PRODUCTS QCI CERTIFIED COMPANY SGS CERTIFIED

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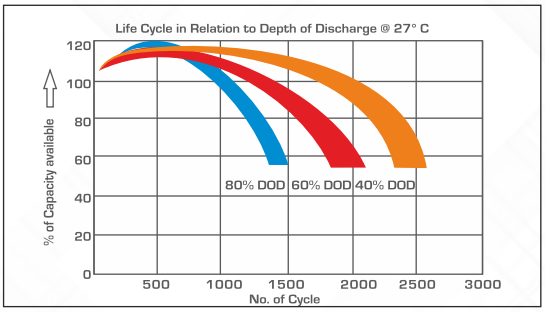
Specific Gravity & Self Discharge w.r.t. Temperature

	Add	Subtract
CHARGING TEMPERATURE COMPENSATION	0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C or 0.0028 volt per cell for every 1°F above 77°F
	Operating Temperature	Self Discharge
OPERATIONAL DATA	-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

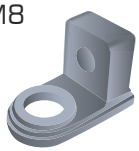


Charging Instructions

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



Flot Type

Locking Flot indigator cum watering lid for each cell

Recycle Responsibly

99% RECYCLABLE

12V Flooded

MADE IN INDIA

IEC Meets IEC 61427-1 Specifications

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