INTERLIGHT®

CHARGE YOUR TOMORROW

NRGT Series Batteries 220Ah-260Ah

Power That Keeps You Moving

Durable, Reliable & Unstoppable

Tall Tubular Batteries For Inverter & Solar

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

MEETS IEC 61427-1 SPECIFICATIONS

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

INTERLIGHT®
CHARGE YOUR TOMORROW

8MM THICK PLATE TECHNOLOGY

Features

- Special Selenium alloy grid, casted at high pressure by pressure dye casting machine (PDC) for void free structure to provide longer life.
- 99.99% pure active material with finest quality red lead.
- Extra strong, flexible oxidation-resistant gauntlet for higher performance.
- Special Thick P.E separators are used to increase the efficiency & life.

Range available: 220Ah to 260Ah

Benefits

- Long design life
- Very low maintenance
- Can handle extreme weather conditions
- Rugged Performance
- Longer life without charging

TECHNICAL DATA

TALL TUBULAR BATTERIES

Type of Battery	Nominal Voltage	Capacity	Dimensions mm (LxWxH)+/-3mm	Gross Battery weight+/-3% [Kg]	Battery Layout	Batteries Per Pallet [Pcs.]	Pallet Weight [Kg]
TT220IT-NRGT	12	220	506X190X479	62	-⊡□□□□⊡+	22	1406
TT240IT-NRGT	12	240	506X190X479	66	-⊡□□□□⊡+	22	1494
TT260IT-NRGT	12	260	506X190X479	68	-⊡□□□□⊡+	22	1538

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
TT220IT-NRGT (12 V 220AH @ C20)	220	187	165	142	110
TT240IT-NRGT (12 V 240AH @ C20)	240	204	180	155	120
TT260IT-NRGT (12 V 260AH @ C20)	260	220	195	168	130

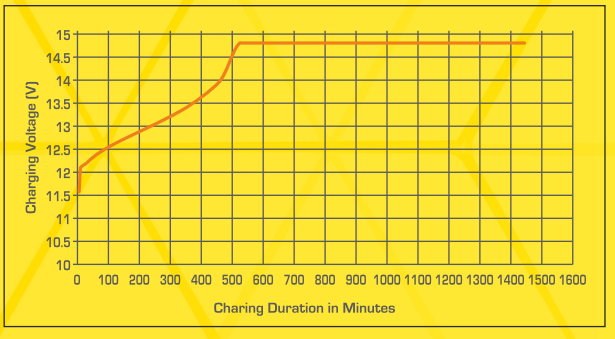
Ah & Wh Efficiency			
Ah Efficiency	>90%	Wh Efficiency	>75%

INTERLIGHT®
CHARGE YOUR TOMORROW

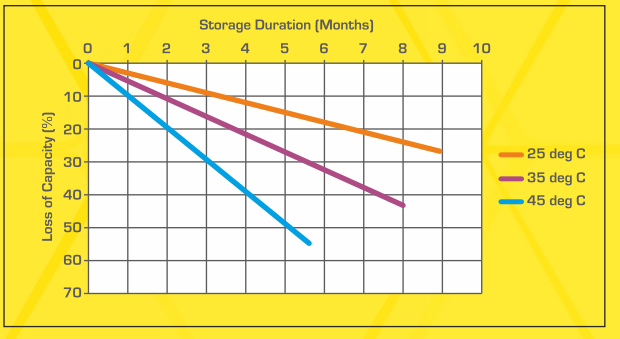
8MM THICK PLATE TECHNOLOGY

- **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



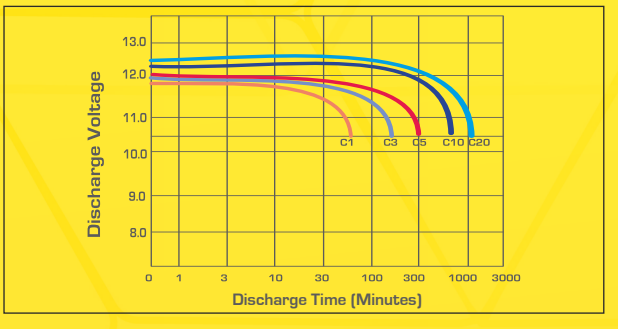
Self Discharge Characteristics @ Different Temperature



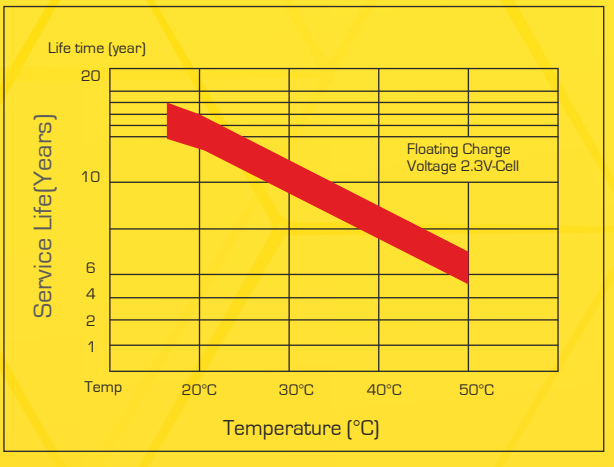
State of Charge Measure of Open-circuit Voltage @ 27°C

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

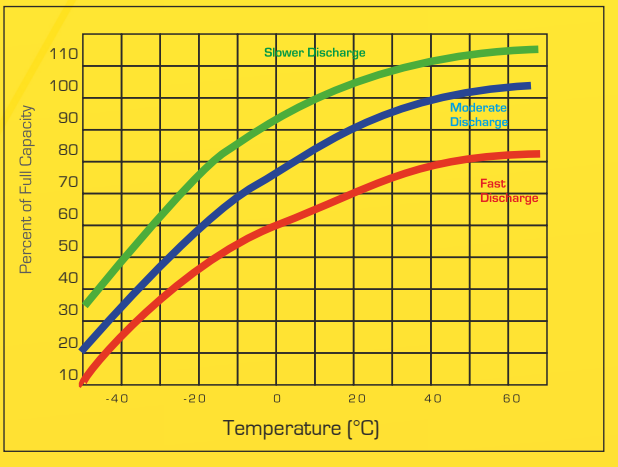
Discharging Characteristics at various rates @ 27°C



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

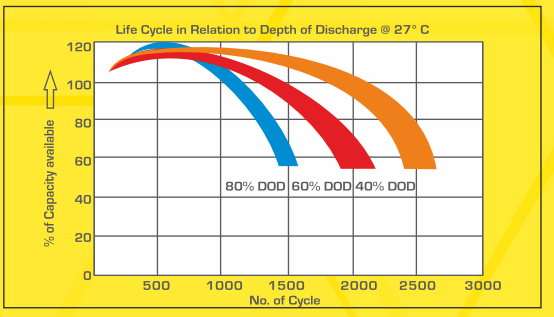
INTERLIGHT®
CHARGE YOUR TOMORROW

8MM THICK PLATE TECHNOLOGY

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 above 25°C or 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

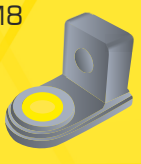


Charging Instructions

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



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

INTERLIGHT TECHNOLOGIES PRIVATE LIMITED
Khasra Number 6295/1795/2 Abadi Freedom Nagar Sant Avenue Vakia Rakba Sultanwind, Amritsar, Amritsar, Punjab, India, 143001
+91-7087694631 | sales@interlightglobal.com

ITPL/2025/DS/IB/710

For more information or questions, please visit **WWW.INTERLIGHTGLOBAL.COM**