

Tron 60S/GPS FLOAT-FREE AND MANUAL EPIRB





Tron 60S/GPS

Tron 60S/GPS is a compact and tamper-proof GMDSS EPIRB. This EPIRB complies to IMO, SOLAS regulation. With a high-intensity LED located at the top of the antenna, Tron 60S/GPS has optimal visibility. The EPIRB is supplied either with manual or float-free bracket.

SPECIFICATIONS

TECHNICAL		
Battery:	Lithium metal, 12V/2900 mAh	
,	5 year service life	
Dimensions:		
• Height:	340 mm	
• Diameter:	128 mm	
Weight:	680 g	
Materials:	Glass reinforced Polycarbonate	
Compass safe distance:	0.85 m	
Temperature range:	-20°C to + 55°C (operating)	
	-30°C to +70°C (storage)	
Operating life:	Minimum 48 hours at -20°C	
Antenna:	Omnidirectional	
Cospas-Sarsat Transmitter		
 Frequency: 	406.037 MHz	
Output power:	5W	
Homing transmitter		
• Frequency:	121.500 MHz	
Output power:	Up to 100 mW	
Protocols:	Maritime, Serialized, Radio Call sign	
Navigation device:	56 Channel GPS Receiver (Tron 60GPS)	
ACCESSORIES		
Brackets:	Float-free: FB-60	
	Manual: MB-60	
Battery:	Replacement kit	
Hydrostatic release:	HRU kit	
WARRANTY	5 year warranty	



Float-free bracket



Manual bracket



TECHNICAL BULLETIN TB09-2015 (Rev. 7)

BATTERY LIFETIME ON BATTERY POWERED GMDSS PRODUCTS



We are a manufacturer that produces more than 25.000 EPIRB and SART battery packs (Lithium) every year. So batteries are never old in Jotron Stock. The battery types we use have less than 3% self-discharge per year,

Below is a list of shelf life and service life on our products

Definitions:

- Shelf life: The time the product may be in stock from manufacturing date until installed on a vessel
- Service life: The maximum lifetime the product can be labeled to (According to SOLAS req. of SBM)

Pro	oduct	Shelf life (months)	Service life (years)	Total (years)
IRB	Tron 30s	12	4	5
	Tron 40s/ Tron 40GPS	12	5	6
	Tron 40s mkII/	12	5	6
	Tron 40 GPS mkll			
EPI	Tron 60S / Tron 60 GPS	24	5	7
	Tron 45 SX	12	5	6
	Tron S-VDR	12	5	6
	Tron 40VDR	30	5	7,5
	Tron SART	12	4	5
ART	Tron SART20	18	5	6,5
7S	Tron AIS-SART	18	5	6,5
VHF	Tron VHF	12	4	5
	Tron TR20 GMDSS	18	5	6,5
	Tron TR30 GMDSS	30	5	7,5



Products with grey background are obsolete products



Updated with extended shelf life

Jotron AS 9th February 2018

UN 38.3 Test Summary Report

Lithium Cell or Battery Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5

[a] \Box Cell \boxtimes Battery \Box Product

- ☑ Tested Type Part # Jotron p/n 83095
- Same Type Part # see list

[b] Manufacturer

Jotron AS.

[d] Unique report ID: 1236213 Rev.1

[e] Report date: Sep.2011

[c] Test Laboratory

Intertek House

Same Type Part Numbers # (all): Jotron p/n 83310 (Tron 60S EPIRB with Float-free Bracket), 83320 (Tron 60S EPIRB with Manual Bracket), 83330 (Tron 60GPS EPIRB with Float-free Bracket), 83340 (Tron 60GPS EPIRB with Manual Bracket), 86225 (Battery Kit Tron 60S/60GPS)

[f] (i) \Box Li-ion \boxtimes Li-metal.

(iv) **Description:** Assembled from two AA/FR6 Energizer L91 cells in series(2s1P) in 4 separate 2s1p packs.

(ii) Mass: 145 g

- (iii) \Box Watt hour rating or \boxtimes Lithium content: 1.96 g x 4 = 7.84 g in total.
- (v) □ Cell Battery □ Product. Model number/Part number: 83095

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference		
38.3.4.1 T.1: Altitude simulation	Pass	Intertek 11053683		
38.3.4.2 T.2: Thermal test	Pass	Intertek 11053683		
38.3.4.3 T.3: Vibration	Pass	Intertek 11053683		
38.3.4.4 T.4: Shock	Pass	Intertek 11053683		
38.3.4.5 T.5: External short circuit	Pass	Intertek 11053683		
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	Energizer 1118120077		
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	N/A	N/A		
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	Energizer 1118120077		
[h] Battery assembly: □ Not Applicable. ⊠ UN38.3.3 (f) □ UN38.3.3 (g)				

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3 ST/SG/AC .10/11/Rev 5.

[j] Signatory A. Date: 04.12.2019 Name: Jan Erik Sæter

Title: Product Manager AIS & GMDSS

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Signature:



Important; The above signatory/signatories affirm that this document is a true and correct summary of the original Individual tests and test data. Please note that any counterfeit batteries under Jotron product name and/or Jotron p/n do NOT comply to this document!