

TRACK FEED BATTERY CHARGER

For D. C. Track Circuit in Railway Signaling

Features:

- Application in DC Track Circuit
- Suitable for charging 1, 2, or 3 or 4 lead acid cells
- Charger capacity: 5 A, 10 A
- Suitable for cell rating: 40 AH OR 80 AH
- Robust Construction
- ON / OFF Rotary switch
- Cell selection switch
- On Indication
- Potential free contact for remote indication
- Approved by RDSO Lucknow - Indian Railways



**RDSO Specification No-
IRS:S:89/2013**

Specifications:

Nominal Input Voltage	110 V AC
Input Variation	Selection taps at 90V, 100V
Input Frequency	50 Hz $\pm$ 2Hz
OUTPUT DATA	
Nominal Output Voltage	1.6 V/per cell to 1.9 V/cell (At 50% rated current)
Efficiency	< 50% on Rated load at Max cell
Regulation of Transformer	< 5% at Max output and rated current.
No Load Current	< 10% of the Max Rated input current.
Temperature Rise	< 55°C above ambient
Operating Temperature	-10°C to 50°C; RH<90% (Non-condensing)
Insulation Voltage	2 kV between Input/Output, Input/Earth and Output/Earth for ONE minute.
Insulation Resistance	> 10 MΩ for charger and 100 MΩ for transformer.
Class of Insulation	"B"
Size	L-300(mm), W-200(mm), H-200(mm) Max

Ordering Code:

- TFBC.01.40** Track Feed Battery Charger suitable for 40AH Cells
- TFBC.01.80** Track Feed Battery Charger suitable for 80AH Cells

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