

INTRODUCTION

This Power Supply Unit is designed to work suitably with six numbers of Telecom equipment, viz., Way Stations Equipment using DTMF signaling as per specification no: IRS: TC-72/97. Such Power Supply Units are used in 25 KV electrified areas to avoid/reduce the line nauseas and unwanted noise to improve the quality of telecommunication.



The working principle of this PSU is primarily to produce regulated low volt DC at the desired setting considering the load condition and to maintain a constant charging current for the VRLA batteries and to reduce voltage as well as current ripple. In addition, the system is intended to have fast response and fail-safe protection. The PSU Unit shall also have some additional feature, viz., over voltage protection, under voltage protection, overload protection with fast corrective response together with various annunciations for indicating the system status.

Power Supply Unit is designed to work suitably with six numbers of way stations equipment, using DTMF signaling as per specification no: IRS: TC-72/97. This is an RDSO de-controlled item wide Railway Board's Letter, available to purchase on consignee/ Third Party Inspection.

SALIENT FEATURES

- ✓ State of the Art Technology
- ✓ Micro Controller based design
- ✓ Robust design built with industrial grade components
- ✓ Construction & workmanship to ensure fast response and fail-safe protection
- ✓ Equipped with Over Voltage Protection, Under Voltage Protection & Overload Protection

TECHNICAL SPECIFICATIONS

No load DC Output Voltage	: 13.80 V (Maximum)
DC Output Voltage Setting	: 13.62 ± 0.05V at 2.0 Amp
Voltage Regulation	: ± 1.5% of set voltage
Efficiency at full load at 230 V ac	: More than 80 %
Ripple contents	: 5 mV (Maximum)
Load variation	: 0.0 Amps to 2.0 Amps
Battery disconnecting voltage setting for deep discharge protection	: 10.8 + 0V / - 0.1V
Voltage at overload of 3.0 Amps	: 9.20 V (Minimum)
Material	: Sheet Metal
Dimensions/ Enclosure	: 300x270x135mm
Weight	: 5 Kgs Approx.



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