

4.5 kW Electronic Rectifier Cum Regulating Unit ERRU

Features:

- Under-slung equipment to provide DC power to coach and simultaneously charge Battery Bank by controlling Alternator output.
- Rust free SS-304 Enclosure with IP-65 protection
- Microprocessor based IGBT controlled output for reliable operation from 350 to 2500 rpm
- Data Logging facility with provision to download data in USB drive
- Keypad and LCD provided for programming and setting various parameters and monitoring functions
- Cut In speed less than 350 rpm
- Approved by RDSO, Lucknow



RDSO Specification No-
RDSO/PE/SPEC/AC/0013-2011 Rev.3

Technical Specifications:

No load DC Output Voltage	135 V (Maximum) settable between 120V -130V
Voltage Regulation	± 2% of Set Value
Efficiency at Full Load at 1800 rpm	95% (minimum)
Ripple	< 2%
Load variation	1 A to 37.5 A
Speed variation	350 rpm to 2500 rpm
Voltage at Overload of 40A	115 V (Min)
Battery Charging Current Limit	Settable up to 24 A (Max)
Insulation Level	> 20MΩ @ 500VDC
High Voltage Withstand capacity	1.5 KV AC (RMS) for 1 Minute
Efficiency at full load at 1800 rpm	> 95%
Ingress Protection	IP-67

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*Due to continuous improvement in products, specification subject to change