



200W DC/DC Rail Power Supply

Input 96V Nominal (53-140Vdc) DC Output 13.6Vdc at 15A

APPLICATION

DC/DC Power Supply used in Locomotive applications. The input range of the WR200E extends to cover applications where 72Vdc or 110Vdc is the primary power source in locomotive applications. The unit operates continuously during dips and surges ranging between 40V – 385V. Accurate trimming of the output voltage is achieved with a non volatile memory digital trim circuit. High intensity Green LEDs for Vin and Vout OK are located at each end of the power supply. Tested and certified to all important aspects of EN50155.



WR200E-13V6-15A

Part No. WR200E-13V6-15A

Features	Benefits	Advantage
No External Fins	Operates in position with restricted airflows	No special ventilation required, install it anywhere
Fan-less & Fuse-less Design	High Reliability	Fans & Fuses are susceptible to failure – eliminating them increases reliability
90+% Efficiency	No Ventilation Ports Required	Reduces dust ingress which increases reliability
Wide Range	Operational in 72Vdc or 110Vdc applications	Flexibility in change out and stocking regimes

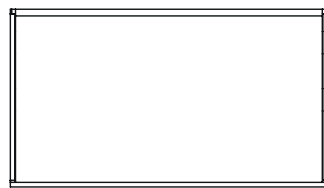
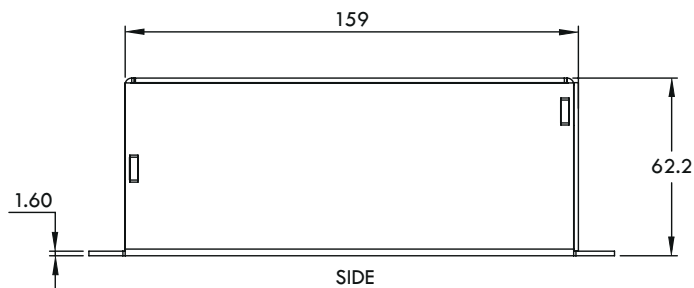
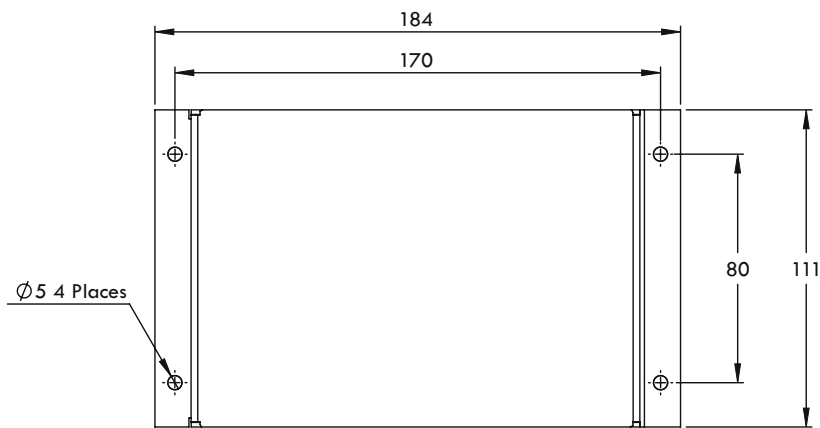
Specifications	WR200E-13V6-15A
Input Voltage	40 – 140Vdc (Vin must be >45V for unit to start)
Output Voltage	13.6Vdc (+/- 50mV)
Regulation (53 < Vin < 140V, Iout = 15A)	Vout = 13.6V < 1% Error
Regulation (44 < Vin < 53V, Iout = 15A)	Vout = 11.1V – 13.6V
Input Fuse	4A
Output Fuse	No Fuse – Internal Protection
Input LED, ON if I/P is	Within Range 40 – 140Vdc (Once unit is running)
Output LED, ON if O/P is	> 12Vdc
Output Overload Function (No Fuse)	Electronic sense, shutdown >105% & Auto restart
Efficiency	Typically > 93% at Full Load
Isolation	I/P to O/P 2kV Minimum (Tested)
Isolation	I/P to GND 1kV Minimum (Tested)
Isolation	O/P to GND 500V Minimum (Tested)
Ripple & Noise (RMS)	< 20mV (53V < Vin < 140V)
Operating Temperature	-25° – 70°C (At Full Load)
Weight	810g
Dimensions	184L x 111W x 63H (mm)

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

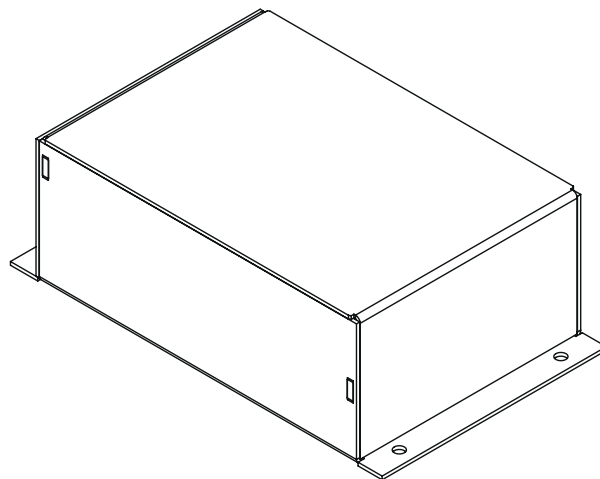


Enclosure Dimensions and Mounting Details

For Models up to 400W



FRONT



In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.