

125 Watt, RD Series, Fully Enclosed, Dual Output

ALL PSU LTD
Electronic Power Solutions

- Protections: Short Circuit/Overload/Over voltage
- 300 VAC Surge Withstand on Input For 5 Seconds
- High Operating Temperature Up To 70 °C
- Withstand 5G Vibration Test
- High Efficiency, Long Life And High Reliability
- 3 Year Warranty
- DIN Rail Mounting Kits Available.
- Standard Dual & Isolated Output Versions



Specification

AC Input Voltage Range.....	88-132/176-264 VAC (248-373VDC), switch selectable
AC Inrush Current (max).....	Cold start, 50 A @ 230 VAC
DC Output Adjustment Range.....	+/- 10%
Over Load Protection.....	110%-150% hiccup mode, auto-recovery
Over Voltage Protection.....	115%-135% of rated voltage, (hiccup mode, auto-recovery)
Line Regulation.....	+/-0.5~1% (O/P:1), +/-1~2% (O/P:2)
Load Regulation.....	+/-1~3% (O/P:1), +/-3~5% (O/P:2)
Isolation Voltage.....	I/P-O/P: 3 kVAC, I/P-FG: 1.5 kVAC, O/P-FG:0.5 kVAC
Leakage Current.....	<2 mA @ 240 VAC
Operating Temperature.....	-25 to +70 °C (see derating curve)
Safety Standards.....	UL60950-1, TUV EN60950-1 approved
EMC Standards.....	EN55022 class B, EN61000-3-2,3, EN61000-4-2, 3, 4, 5, 6, 8,11 ENV50204 EN61000-6-2 (EN500082-2) (35-150W)
Connection.....	Terminal block for input and output
Dimensions (L*W*H).....	199 x 98 x 38 mm
Weight.....	0.7 kg
MTBF.....	232.4 khrs (MIL-HDBK-217F) @ 25 °C

Models and Ratings

Model	Output 1	Output 2	Efficiency	Max Power
RD-125A	5.0 V / 2.0-15 A	12.0 V / 0.5-10 A	82%	131 Watts
RD-125B	5.0 V / 2.0-10 A	24.0 V / 0.4-5.0 A	85%	133 Watts
*RD-125-1224	12.0 V / 1.0-7.0 A	24.0 V / 0.4-5.0 A	85%	133 Watts
*RD-125-2412	24.0 V / 0.5-5 A	12.0 V / 1-7 A	85%	133 Watts
*RD-125-1248	12.0 V / 1.0-7.0 A	48.0 V / 0.2-2.5 A	85%	138 Watts
*RD-125-4812	48.0 V / 0.3-2.5 A	12.0 V / 1-7 A	85%	138 Watts
*RD-125-2448	24.0 V / 0.5-4.0 A	48.0 V / 0.2-2.5 A	86%	144 Watts
*RD-125-4824	48.0 V / 0.3-2.5 A	24.0 V / 0.5-4 A	86%	144 Watts
RID-125-1205	12.0 V / 2-10.5 A	5.0 V / 0-3 A	80%	125 Watts
RID-125-2405	24.0 V / 2-5.3 A	5.0 V / 0-3 A	83%	125 Watts

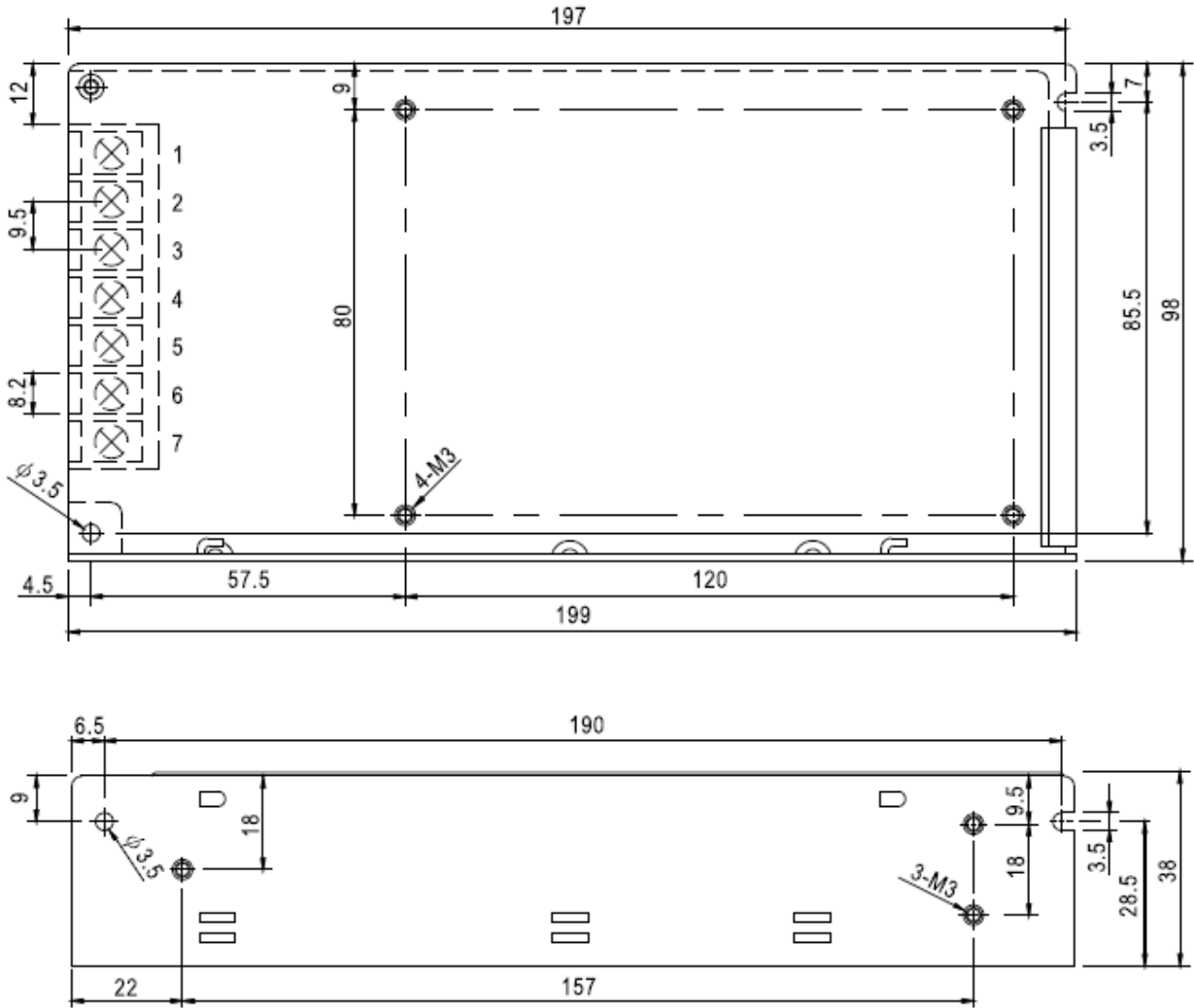
Note: RID models have isolated outputs

* All of the above marked units are also available as RID versions with isolated outputs
Minimum loads if specified above are required on both outputs for operation of the PSU.

For mechanical details and derating, see next page

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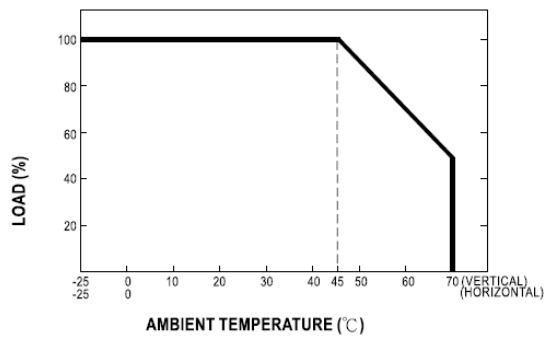
Mechanical Details



Connection Details

Terminal	Function
1	AC Live
2	AC Neutral
3	F/G
4, 6	DC Out Common
5	+V2 Out
7	+V1 Out

Temperature Derating Curve



Specifications are subject to change without notice, E&OE. ALL PSU Terms & Conditions apply.

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