

480 Watt, DR Series, DIN Rail, (Single or 3 phase AC input)

ALL PSU LTD
Electronic Power Solutions

- 110/230 VAC Input With PFC (DRP) or 3Ø AC Input (DRT)
- High Efficiency, High Reliability
- Wide Temperature Range
- Built In Filter, Low Ripple/Noise
- Power On LED
- Short Circuit, Over Load, Over Voltage, Over temperature Protected
- Convection Cooled
- Full Approvals : UL/CUL/TUV/CE, Inc. UL508
- 3 Year Warranty
- Very Competitive Prices / From Stock



Specification (refers to single phase input DRP version unless stated)

Input Voltage (DRP version).....	90~132 / 180~264 VAC, switch select
or 3 Phase (DRT version).....	340~550 VAC (dual phase possible)
Power Factor.....	=/>0.7 / 230 VAC (DRP Only)
Inrush Current.....	Cold start, 45 A DRP , 50 A DRT @ 230 VAC
Output Voltage.....	See table below (plus adjustment range)
Over Load Protection.....	105~150% (constant current limiting, Auto Recovery)
Over Voltage Protection.....	30~36 V (24 V models), 59~66 V (48V models) Shuts down, repower to restart
Set Up, Rise, Hold Up Time.....	1200 ms, 40 ms, 23 ms @ 230 VAC full load
Isolation Voltage.....	I/P-O/P: 3 kVAC, I/P-FG: 1.5 kVAC, 1 min
Operating Temperature.....	See derating curve
Overtemp. Protection.....	Output shuts down (auto-recovery when cooled)
Safety Standards.....	UL508, TUV EN60950-1, UL60950-1
EMC Standards.....	EN55011 (CISPR11) EN55022 (CISPR22) EN61204-3, Class B, EN61000-3-2, 3 EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204 EN61000-6-2(EN50082-2) Heavy Industrial Level Criteria A, EN50204
Dimensions.....	125(H) x 227(W) x 100(Depth from rail)
MTBF.....	187.9 khrs (DRP-480), 91.1 khrs (DRT-480) (MIL-HDBK-217F) @ 25 °C
Weight.....	2.6 kg (DRP), 2.5 kg (DRT)

Single Phase Input Models

Model	Output	Range	Ripple/Noise	Efficiency
DRP-480S-24	24.0 V / 20 A	24.0 V ~ 28.0 V	120 mV	89%
DRP-480S-48	48.0 V / 10 A	48.0 V ~ 55.0 V	120 mV	89%

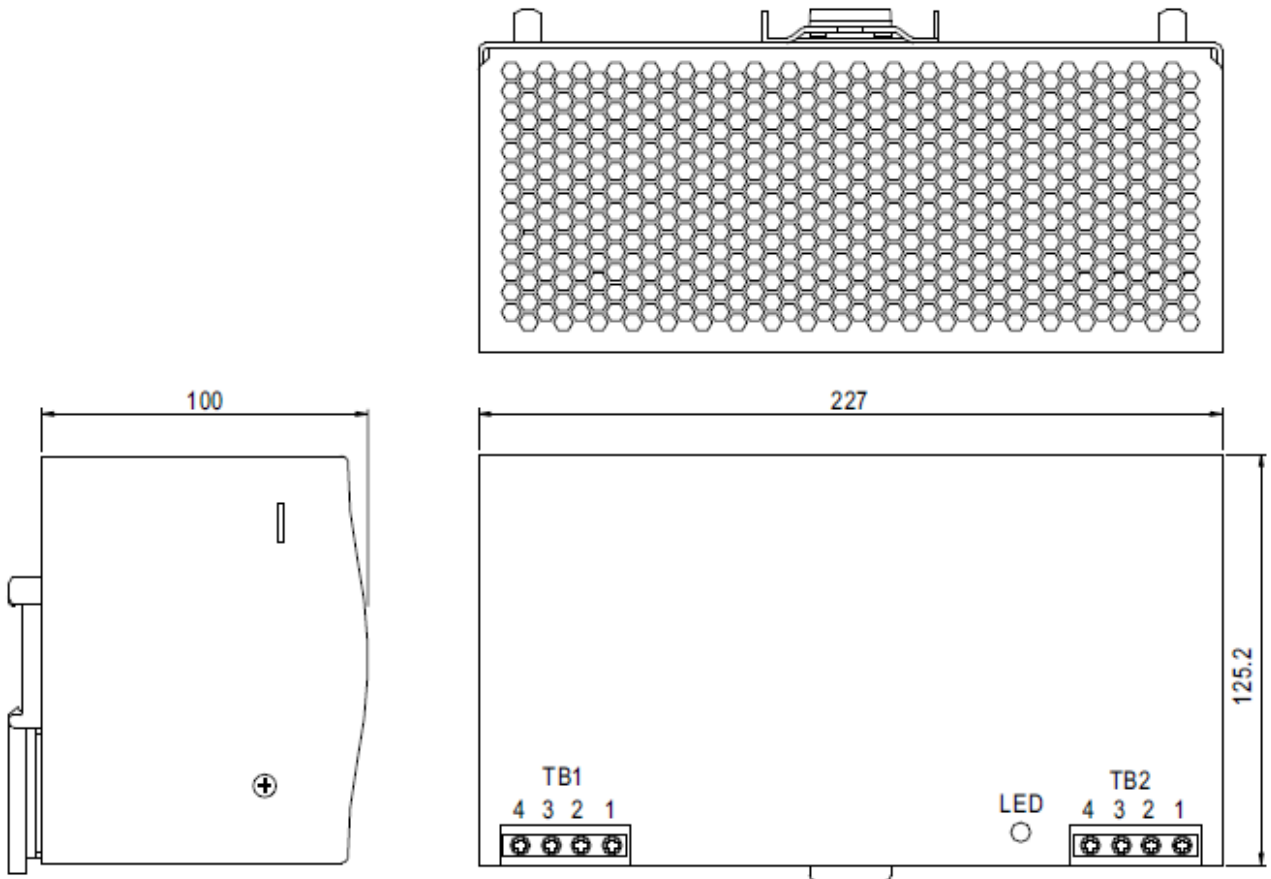
3 Phase Input Models (3 x Live, 1 x Earth)

Model	Output	Range	Ripple/Noise	Efficiency
DRT-480-24	24.0 V / 20 A	24.0 V ~ 28.0 V	80 mV	89%
DRT-480-48	48.0 V / 10 A	48.0 V ~ 55.0 V	80 mV	90%

For mechanical details and derating, see next page

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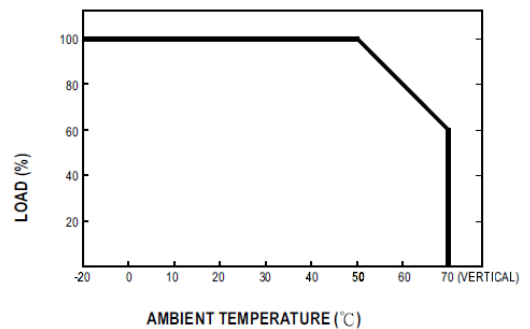
Mechanical Details



Pinout

DRP-480		DRT-480	
Terminal (TB1)	Function	Terminal (TB1)	Function
1	AC Live	1	AC / L1
2	AC Neutral	2	AC / L2
3	GND	3	AC / L3
		4	GND
Terminal (TB2)	Function	Terminal (TB2)	Function
1	+V Out	1	+V Out
2	+V Out	2	+V Out
3	-V Out	3	-V Out
4	-V Out	4	-V Out

Temperature Derating



Specifications can change without notice. E&OE. ALL PSU Terms & Conditions apply.

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