



## 480W, 24V DC Output DIN Rail Power Supply



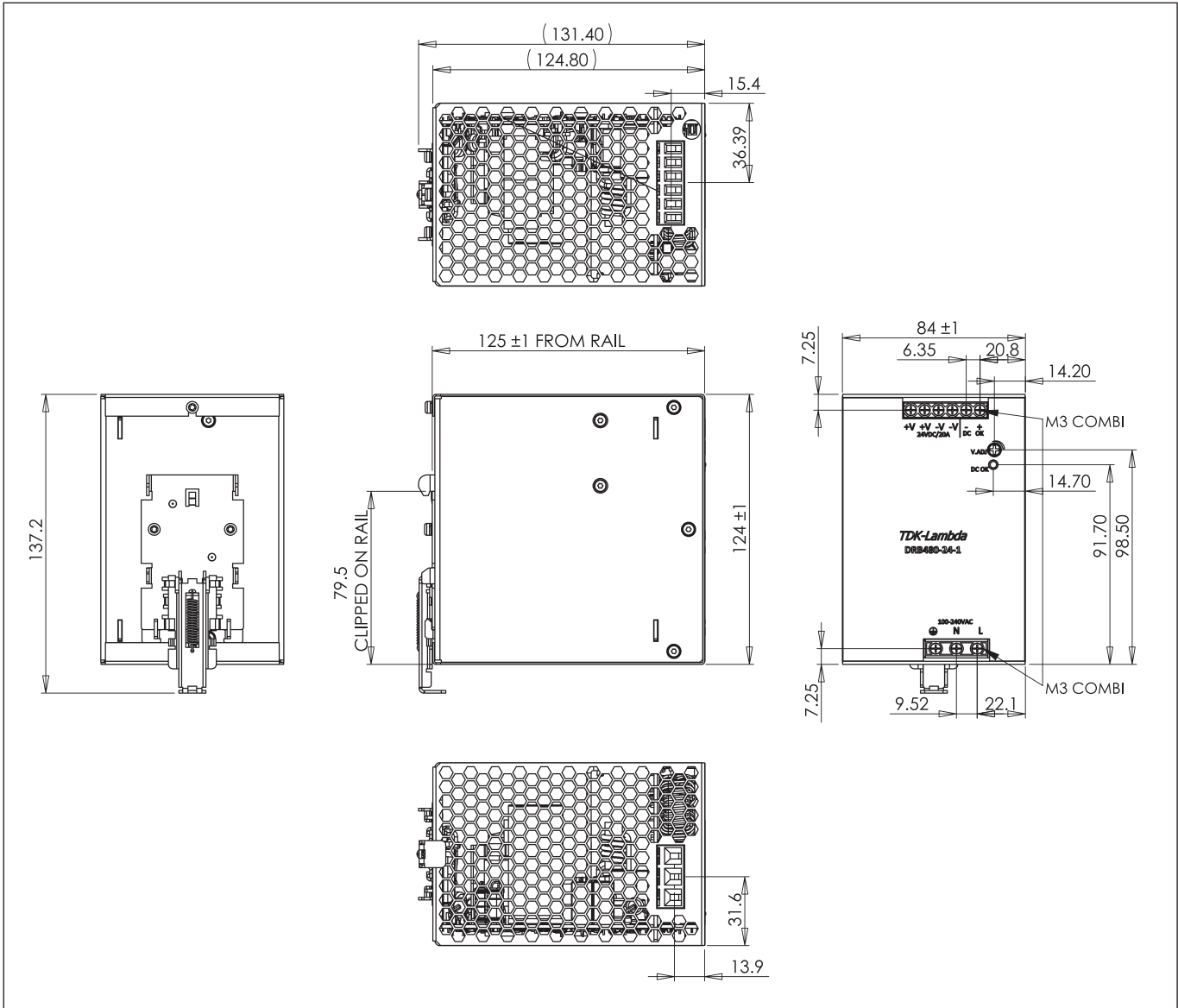
Features	Benefits
• High Efficiency	• Saves Energy & Cost
• 84mm Width	• More Space in Control Equipment
• EMC: EN 55022 Curve B, Conducted & Radiated	• Easier System Integration
• 7 Year eCap-Life	• Prolonged Lifetime Expectation
• 3 Year Warranty	• TDK-Lambda Proven Reliability



Specification		
Model	DRB480-24-1	
Input Voltage Range (1)	VAC	90 - 264
Input Frequency	Hz	47 - 63
Inrush Current (Cold Start)	A	<40A at 264
Power Factor (120/230VAC)	-	0.98 / 0.96 (Meets EN61000-3-2 Class A)
Input Current (120/230VAC)	A	5 / 2.5
Leakage Current	mA	<1.7mA at 264VAC 63Hz
Line Regulation	mV	<24
Load Regulation	mV	<240
Ripple & Noise	mV	<240
Temperature Coefficient	%/°C	<±0.02
Overcurrent Protection	-	105 - 145% (Hiccup style)
Overvoltage Protection	-	30V ±2%. Cycle input voltage to reset
Overtemperature Protection	-	Yes
Hold Up Time	ms	>16
Efficiency (120 / 230VAC)	%	>90 / 92%. Average efficiency >87%
LED Indicator	-	Green LED = DC is OK
DC OK Relay	-	Relay contacts rated at 0.02A
Operating Temperature	°C	-20°C to +70°C. Start up at -40°C. (Derate linearly to 62.5% load from 50°C to 70°C)
Storage Temperature	°C	-40°C to +85°C
Humidity (non condensing)	%RH	5 - 95%RH (Operating and storage)
Parallel Operation	-	No
Series Operation (2)	-	Yes
Cooling	-	Convection
Withstand Voltage (For 1 minute)	VAC	Input to Output 3kVAC, Input to GND 1.5kVAC, Output to GND 500VAC
Isolation Resistance	MΩ	>100MΩ at 25°C, 70%RH & 500VDC
Vibration (Non operating)	-	2G, IEC 60068-2-6, 10 to 500Hz
Shock	-	5G, IEC 60068-2-27, half-sine, 22ms, 3 x each axis on DIN rail
Safety Agency Certifications	-	UL508 (UL840), CSA22.2 No. 107.1-01, IEC/EN/UL60950-1, CE Mark
Conducted & Radiated EMI	-	EN55011-B, EN55022-B, CISPR11-B, CISPR22-B, EN61204-3 Class A
Immunity	-	EN61000-4-2 (lvl 3), -3 (lvl 3), -4 (lvl 3), -5 (lvl 3), -6 (lvl 3), -8 (lvl 4), -11
Weight (Typ)	g	1000
Size (WxHxD)	mm	84 x 125 x 124
Case Material	-	Metal
Warranty	yrs	3

**Notes:** (1) Derate linearly to 92.5% load from 100 to 90VAC (2) See installation manual

## Outline Drawing DRB480 Series



### Model Selector

Model	Output Voltage	Adjust Range	Max Current	Max Power
DRB480-24-1	24V	24 - 26.4V	20A	480W



## TDK-Lambda France SAS

3 Avenue du Canada  
Parc Technopolis  
Bâtiment Sigma  
91940 les Ulis  
France  
Tel: +33 1 60 12 71 65  
Fax: +33 1 60 12 71 66  
france@fr.tdk-lambda.com  
www.fr.tdk-lambda.com



## Italy Sales Office

Via dei Lavoratori 128/130  
20092 Cinisello Balsamo (MI)  
Italy  
Tel: +39 02 61 29 38 63  
Fax: +39 02 61 29 09 00  
info.italia@it.tdk-lambda.com  
www.it.tdk-lambda.com



## Netherlands

info@nl.tdk-lambda.com  
www.nl.tdk-lambda.com



## TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40  
77855 Achern  
Germany  
Tel: +49 7841 666 0  
Fax: +49 7841 5000  
info.germany@de.tdk-lambda.com  
www.de.tdk-lambda.com



## Austria Sales Office

Aredstrasse 22  
2544 Leobersdorf  
Austria  
Tel: +43 2256 655 84  
Fax: +43 2256 645 12  
info@at.tdk-lambda.com  
www.de.tdk-lambda.com



## Switzerland Sales Office

Bahnhofstrasse 50  
8305 Dietlikon  
Switzerland  
Tel: +41 44 850 53 53  
Fax: +41 44 850 53 50  
info@ch.tdk-lambda.com  
www.de.tdk-lambda.com



## Nordic Sales Office

Haderslevvej 36B  
DK-6000 Kolding  
Denmark  
Tel: +45 2911 9556  
info@dk.tdk-lambda.com



## TDK-Lambda UK Ltd.

Kingsley Avenue  
Ilfracombe  
Devon EX34 8ES  
United Kingdom  
Tel: +44 (0) 12 71 85 66 66  
Fax: +44 (0) 12 71 86 48 94  
powersolutions@uk.tdk-lambda.com  
www.uk.tdk-lambda.com



## TDK-Lambda Ltd.

Kibbutz  
Givat Hashlosha 48800  
Israel  
Tel: +9 723 902 4333  
Fax: +9 723 902 4777  
info@tdk-lambda.co.il  
www.tdk-lambda.co.il



## C.I.S.

**Commercial Support:**  
Tel: +7 (495) 665 2627  
**Technical Support:**  
Tel: +7 (812) 658 0463  
info@tdk-lambda.ru  
www.tdk-lambda.ru

## Local Distribution

