



TDK-Lambda DIN Rail Power Supplies

TRUSTED • INNOVATIVE • RELIABLE

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AC-DC DIN Rail Products



Single phase power supplies

Series DRB, DRF, DRL

Three phase power supplies

Series DRB120-XX-3-AX, DRB240-XX-3-AX, DRB480-XX-3-AX, DRB960-XX-3-AX

DC-DC DIN Rail Products



Series DPX, DDA

AC Input EMC Filters - DIN Rail Mounted



Series RSEN, RSAN, RSHN, RSMN, RTEN, RTAN

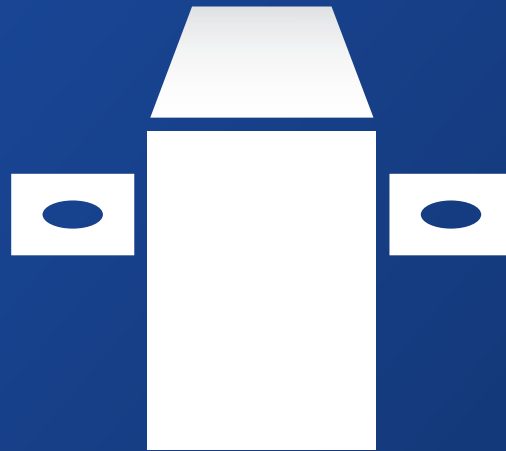
Other DIN Rail Products



Series DBM, DRM, DUSH



AC-DC DIN Rail Products



DIN Rail

Applications

- ◆ Factory automation
- ◆ Solar power generation
- ◆ PV solar monitoring equipment
- ◆ Industrial ovens
- ◆ Motor drive controls
- ◆ Panel builders
- ◆ Food processing
- ◆ Oil extraction controllers
- ◆ LED architectural lighting
- ◆ Process I/O controllers
- ◆ Solar inverter controllers

Features

- ◆ Easy to install
- ◆ Wide temperature range
- ◆ Wide input range
- ◆ High quality
- ◆ Industrial certification
- ◆ Parallelable
- ◆ Isolated

AC Input Power Supplies

AC Input Power Supplies		Output Power (W)								
Series	Input	10	15	25/30	50/60	100	120	240	480	960
DRB15-480	Single Phase									
DRF120-960	Single Phase									
DRL10-100	Single Phase									
DRB120-3	Three Phase									
DRB240-3	Three Phase									
DRB480-3	Three Phase									
DRB960-3	Three Phase									

Easy Mounting





AC-DC DIN Rail Products

Single Phase AC Input Power Supplies



DRB15-100 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/drb>

15-100W DIN Rail Mount Power Supplies

- ◆ Compact Size
- ◆ 5V, 12V, 15V, 24V, or 48V Outputs
- ◆ High Efficiency (Up to 91%)
- ◆ Low No-load Power Consumption
- ◆ Class 2 Models to UL1310
- ◆ Class 1 Div 2 for Hazardous Locations



DRB120-480 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/drb>

120-480W DIN Rail Mount Power Supplies

- ◆ Compact Size, Narrow Width
- ◆ 12V, 24V, or 48V Output
- ◆ High Efficiency (>93% at 230VAC)
- ◆ Conservatively Rated Electrolytic Capacitors
- ◆ Curve B EMC
- ◆ Three Year Warranty



DRL Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/drl>

10-100W Low Profile DIN Rail Mount Power Supplies

- ◆ Low Profile for Building Automation
- ◆ 12V, 15V, or 24V Outputs
- ◆ Class II Double Insulation
- ◆ High Efficiency (Up to 90%)
- ◆ Low No-load Power Consumption
- ◆ Class 2 Models to UL1310
- ◆ SEMI F47 Compliant



DRF Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/df>

120-960W DIN Rail Mount Power Supplies

- ◆ Very Compact Size
- ◆ 24V Output
- ◆ High Efficiency (Up to 95%)
- ◆ 150% Peak Power Capability for 4s
- ◆ ErP Compliant Design
- ◆ Low Standby Power Draw
- ◆ Remote On/Off
- ◆ Remote Voltage Adjustment
- ◆ Hazardous Location Option (/HL)



AC-DC DIN Rail Products

Three Phase AC Input Power Supplies



DRB120-3 Series

[Full Datasheet](https://product.tdk.com/en/power/dr1)

<https://product.tdk.com/en/power/dr1>

120W DIN Rail Mount Power Supplies

- ◆ Narrow Case Width
- ◆ 12V or 24V Outputs
- ◆ High Efficiency (up to 91%)
- ◆ Curve B EMI
- ◆ Long Life E-Cap Life (10 yrs+)
- ◆ Low Off-Load Power Consumption
- ◆ 350-575VAC 3 Phase Input
- ◆ Three Year Warranty



DRB240-3 Series

[Full Datasheet](https://product.tdk.com/en/power/dr2)

<https://product.tdk.com/en/power/dr2>

240W DIN Rail Mount Power Supplies

- ◆ Narrow Case Width
- ◆ 24V or 48V Outputs
- ◆ High Efficiency (up to 94%)
- ◆ Curve B EMI
- ◆ Long E-Cap Life (10 yrs+)
- ◆ Low Off-Load Power Consumption
- ◆ 350-575VAC 3 Phase Input
- ◆ Three Year Warranty



DRB480-3 Series

[Full Datasheet](https://product.tdk.com/en/power/dr4)

<https://product.tdk.com/en/power/dr4>

480W DIN Rail Mount Power Supplies

- ◆ 3 Phase Input, 12V, 24V, 48V and 72V
- ◆ 50% Boost (peak) Power Ratings for up to 7 seconds
- ◆ High Efficiency up to 95.8%
- ◆ Narrow Case Widths
- ◆ Curve B Radiated and Conducted EMI
- ◆ Long E-Capacitor Life (typically 10 yrs)
- ◆ Low Off-Load Power Consumption



DRB960-3 Series

[Full Datasheet](https://product.tdk.com/en/power/dr9)

<https://product.tdk.com/en/power/dr9>

960W DIN Rail Mount Power Supplies

- ◆ 3 Phase Input, 12V, 24V, 48V and 72V
- ◆ 50% Boost (peak) Power Ratings for up to 5 seconds
- ◆ High Efficiency up to 96.3%
- ◆ Narrow Case Widths
- ◆ Curve B Radiated and Conducted EMI
- ◆ Long E-Capacitor Life (typically 10 yrs)
- ◆ Low Off-Load Power Consumption



DC-DC DIN Rail Products



DIN Rail

Applications

- ◆ Factory automation
- ◆ Ground radar
- ◆ Wireless hubs
- ◆ Digital signage
- ◆ Utility substation back-up
- ◆ Geological surface test equipment
- ◆ Paint spraying equipment
- ◆ Battery management
- ◆ Amplifiers
- ◆ Solar inverters
- ◆ Test & measurement
- ◆ Panel builders
- ◆ Hospital power monitoring
- ◆ Programmable logic controllers
- ◆ Imaging systems
- ◆ Yacht control systems
- ◆ Oil field controllers
- ◆ Fork lift camera systems
- ◆ Remote monitoring systems
- ◆ Solar arrays
- ◆ Smart building automation
- ◆ Automated doors
- ◆ High temperature metal furnaces

Features

- ◆ Single, dual and triple output models.
- ◆ Six-sided EMI shielding
- ◆ Isolated and non-isolated



DC-DC Converters



DPX Series (isolated)

[Full Datasheet](#)

<https://product.tdk.com/en/power/dpx>

40-60W Single, Dual & Triple Output DIN Mount DC-DC Converters

- ◆ DIN Rail Mount Version of TDK-Lambda's PX Series
- ◆ 1600VDC Input to Output Isolation
- ◆ Wide Operating Temperature Range
- ◆ Internally Protected
- ◆ All In One Package



[Full Datasheet](#)

<https://product.tdk.com/en/power/dda>

DDA Series (non-isolated)

250-500W Single & Dual Output Din Mount DC-DC Converters

- ◆ 250W Single Output, 325W and 500W Dual Output Power Levels
- ◆ High Efficiency up to 95%
- ◆ Wide Range Input 9 up to 53V
- ◆ Wide 3.3 to 24V Output Adjustment
- ◆ Narrow 36.5mm Width
- ◆ Step-Down / Buck Converter

DC Input Power Supplies

DC Input Power Supplies		Output Power (W)								# of Outputs
Series	Input	15	20	30	40	60	250	325	500	
DPX15W*	9.5-36V or 18-75V									1 or 2
DPX20W*	9.5-36V or 18-75V									1 or 2
DPX30W*	10-40V or 18-75V									1 or 2
DPX40W	9.5-36V or 18-75V									1 or 2
DPX40	9.5-18V, 18-36V or 36-75V									3
DPX60	18-36V or 36-75V									1
DDA250N-S1PX	9-53V									1 (pos)
DDA500N-D2PP	9-53V									2 (pos)
DDA325N-D2PN	9-40V									2 (pos, neg)

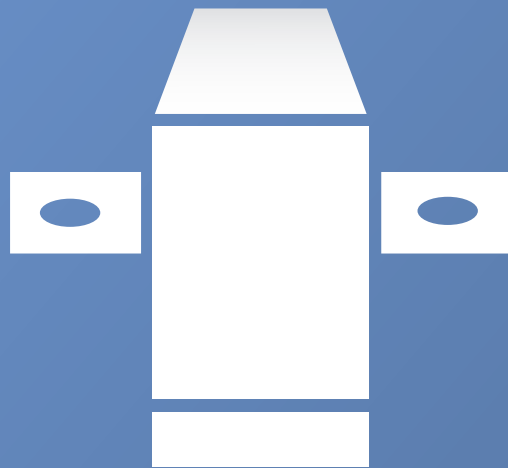
*Special order

Want Engineering Support?

- ◆ Please call **1-800-LAMBDA-4 (1-800-526-2324)** to speak to our inside technical support team, or email tla.powersolutions@tdk.com
- ◆ TDK-Lambda's Field Application Engineers are available for unlimited support at your facility. Please contact your local TDK-Lambda salesperson to schedule a visit.



AC Input EMC Filters - DIN Rail Mounted



EMC Filters

Applications

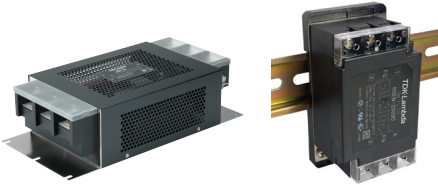
- ◆ Industrial equipment
- ◆ Medical equipment
- ◆ Motors & amplifiers
- ◆ Semiconductor manufacturing equipment
- ◆ Robots
- ◆ Test & measurement equipment
- ◆ Renewable energy products

Features

- ◆ Easy to install
- ◆ Wide temperature operating range
- ◆ Single & Three Phase models
- ◆ Low leakage models for medical products
- ◆ 3A to 30A current ratings
- ◆ 250V single phase & 500V Three Phase inputs



AC Input EMC Filters - DIN Rail Mounted



RSEN Series

[Full Datasheet](#)

<https://product.tdk.com/en/filters/rsen>

Single phase 250Vac 3 to 300A EMI Filters with DIN rail option

- ◆ 3 to 300A Current Ratings
- ◆ DIN Rail Mount Option (Up to 30A)
- ◆ Captive Hardware
- ◆ Safety Certified



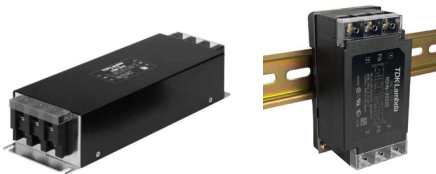
RSAN Series

[Full Datasheet](#)

<https://product.tdk.com/en/filters/rsan>

Single phase 250Vac 3 to 60A EMI Filters with DIN rail option

- ◆ 3 to 60A Current Ratings
- ◆ DIN Rail Mount Option (Up to 30A)
- ◆ Amorphous Core Technology
- ◆ Captive Hardware
- ◆ Safety Certified



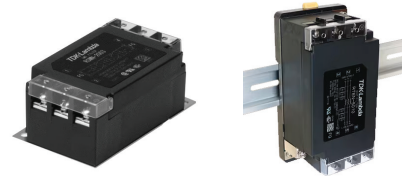
RSHN Series

[Full Datasheet](#)

<https://product.tdk.com/en/filters/rshn>

3 to 300A, 250Vac EMI Filters

- ◆ 3 to 300A Current Ratings
- ◆ Low Earth Leakage Current Option (Up to 30A)
- ◆ Two Stage Filter
- ◆ DIN Rail Mount Option (Up to 30A)
- ◆ Captive Hardware
- ◆ Safety Certified



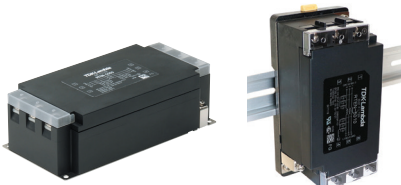
RSMN Series

[Full Datasheet](#)

<https://product.tdk.com/en/filters/rsmn>

Single phase 250Vac 3 to 60A EMI Filters with DIN rail option

- ◆ 3 to 60A Current Ratings
- ◆ Two Stage Filter
- ◆ DIN Rail Mount Option (Up to 30A)
- ◆ Amorphous Core Technology
- ◆ Captive Hardware
- ◆ Safety Certified



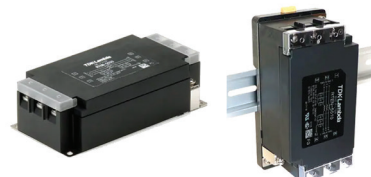
RTEN Series

[Full Datasheet](#)

<https://product.tdk.com/en/filters/rten>

Three phase 500Vac 6 to 300A EMI Filters with DIN rail mount option

- ◆ 6 to 300A Current Ratings
- ◆ Low Profile
- ◆ DIN Rail Mount Option (Up to 30A)
- ◆ Captive Hardware
- ◆ Safety Certified



RTAN Series

[Full Datasheet](#)

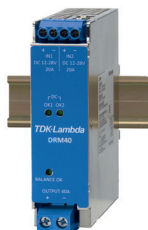
<https://product.tdk.com/en/filters/rtan>

Three phase 500Vac 6 to 60A EMI Filters with DIN rail mount option

- ◆ 6 to 60A Current Ratings
- ◆ Amorphous Core Technology
- ◆ DIN Rail Mount Option (Up to 30A)
- ◆ Captive Hardware
- ◆ Safety Certified



Other DIN Rail Products


[Full Datasheet](#)
<https://product.tdk.com/en/power/drm40>

DRM40 Series

DIN Rail Redundancy Module

- ◆ 40A Maximum Output Current
- ◆ 150% Peak Load (60A)
- ◆ Dual Input (2 x 20A)
- ◆ Reverse Input Protection
- ◆ Current Balancing / DC OK LED's
- ◆ Five Year Warranty


[Full Datasheet](#)
<https://product.tdk.com/en/power/dbm>

DBM20 Series

DIN Rail Buffer (Hold Up) Module

- ◆ 448W (24V, 20A) Buffer Power
- ◆ Provides 250ms Additional Hold Up Time
- ◆ Can be Paralleled for Additional Hold Up Time
- ◆ Output Remote ON/OFF
- ◆ Five Year Warranty


[Full Datasheet](#)
<https://product.tdk.com/en/power/dush>

DUSH960 Series

DIN Rail UPS Modules

- ◆ DC-UPS with integrated DC-DC converter
- ◆ Wide programmable input & output voltage range
- ◆ High Efficiency of up to 98%
- ◆ LCD and Modbus Interfaces
- ◆ Multiple battery technologies up to 1000Ah
- ◆ Operates from 10 to 60V Batteries
- ◆ Can provide a 10 to 60V Output
- ◆ Enables Longer Battery Run Times
- ◆ Allows Remote Maintenance and Adjustable Parameters

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