TDK In Everything, Better

DIN RAIL

AC/DC and DC/DC Power Supplies

Edition 3A



TDK·Lambda

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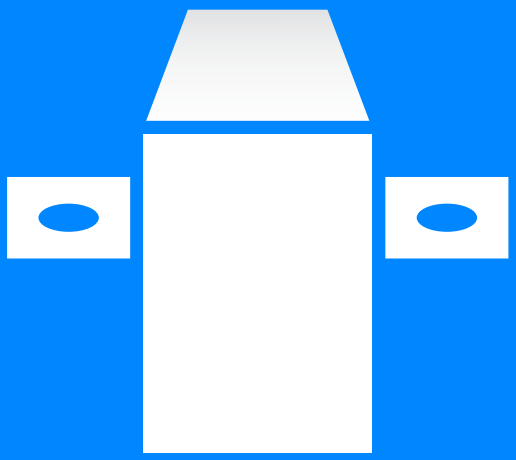
AC/DC DIN Rail Products



DIN Rail

Applications

- Factory Automation
- Transportation Infrastructure
- Telecommunications and Networking
- Renewable Energy Systems
- EV Charging Infrastructure
- Power Distribution and Utilities
- Data Center Cooling
- Motor Drives
- Food Processing Equipment
- Architectural Lighting
- Panel Builders
- Test and Measurement Systems
- Industrial Ovens
- Process Controllers

Features

- Easy to install
- Wide temperature range
- Wide input range
- High quality
- Industrial certification
- Parallel operation
- Isolated

AC Input DIN Rail Power Supplies

AC Input Power Supplies Series	Input	Output Power (W) 10	15	25/30	50/60	100	120	240	480	960
D1SE120-480	Single Phase									
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									

AC/DC DIN Rail Products

Single Phase AC Input Power Supplies

NEW



Full Datasheet
https://product.tdk.com/en/power/d1se

D1SE Series

120W to 480W Single Phase DIN Rail Mount Power Supplies

- AC or DC Input Operation
- 12V to 72V Output Models
- 130% Boost (Peak) Power Capability
- Efficiencies Up to 95.1%
- Conservative Electrolytic Capacitor Ratings
- Low Peak Inrush Energy < 0.6A²s



Full Datasheet
https://product.tdk.com/en/power/drb

DRB15–100 Series

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, Division 2 for hazardous locations

AC/DC DIN Rail Products

Single Phase AC Input Power Supplies



Full Datasheet
https://product.tdk.com/en/power/drb

DRB120–480 Series

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



Full Datasheet
https://product.tdk.com/en/power/drl

DRL Series

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



Full Datasheet
https://product.tdk.com/en/power/drf

DRF Series

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



Full Datasheet
https://product.tdk.com/en/power/drb

DRB120–3 Series

120W DIN Rail Mount Power Supplies

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



Full Datasheet
https://product.tdk.com/en/power/drb

DRB240–3 Series

240W DIN Rail Mount Power Supplies

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



NEW

Full Datasheet
https://product.tdk.com/en/power/drb

DRB480–3 Series

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



NEW

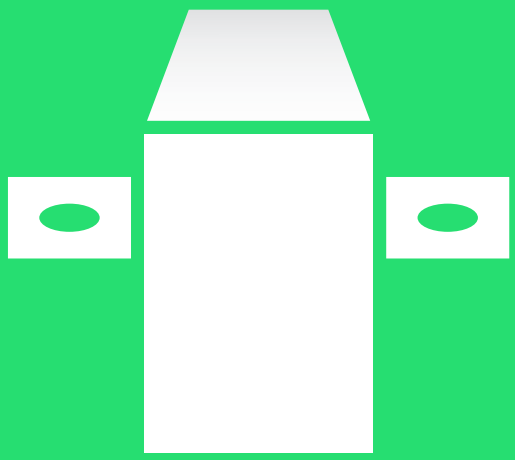
Full Datasheet
https://product.tdk.com/en/power/drb

DRB960–3 Series

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 backup
- Geological surface test equipment
- Paint spraying equipment
- Battery management
- Amplifiers
- Solar inverters
- Test and measurement
- Panel builders
- Hospital power monitoring
- Programmable logic controllers
- Imaging systems
- Yacht control systems
- Oil field controllers
- Forklift 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

DC Input Power Supplies Series	Input	Output Power (W) 15	20	30	40	60	120	250	325	500	# of Outputs
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)
DDSM120	12-48V						■				
DDSM240	12-48V						■				

*Special order



Full Datasheet

DPX Series (isolated)

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

40-60W Single, Dual & Triple Output DIN Rail 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

DDA Series (isolated)

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

250-500W Single & Dual Output DIN Rail Mount DC-DC Converters

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



NEW

Full Datasheet

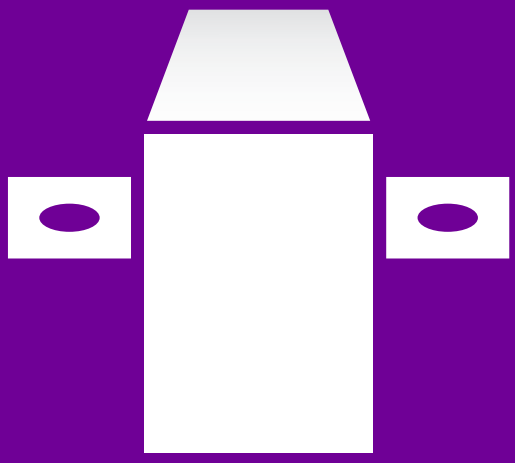
DDSM Series

https://product.tdk.com/en/power/ddsm

120 and 240W Single Output DIN Rail Mount DC-DC Converter

- 12 to 48Vdc Input
- 5 to 55V Outputs
- 2,200Vdc Insulation from Input & Output to Ground
- Digital control and monitoring software
- Remote control and real-time monitoring
- Modbus over USB Communication
- User-Friendly Digital Display with Push Buttons

AC Input EMC Filters – DIN Rail Mounted



EMC Filters

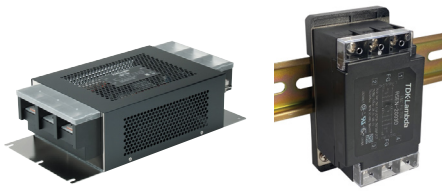
Applications

- 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



Full Datasheet
https://product.tdk.com/en/filters/rsen

RSEN Series

Single Phase 250Vac 3 to 300A EMI Filters with DIN Rail Mount option

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

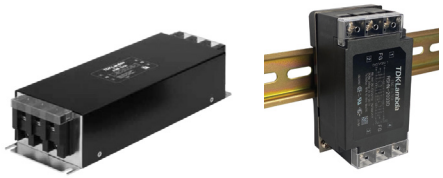


Full Datasheet
https://product.tdk.com/en/filters/rsan

RSAN Series

Single Phase 250Vac 3 to 60A EMI Filters with DIN Rail Mount option

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

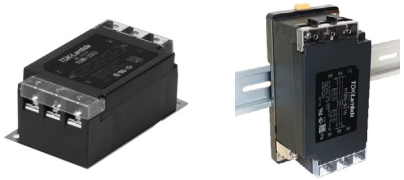


Full Datasheet
https://product.tdk.com/en/filters/rshn

RSHN Series

Single Phase 250Vac 3 to 300A EMI Filters with DIN Rail Mount option

- 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

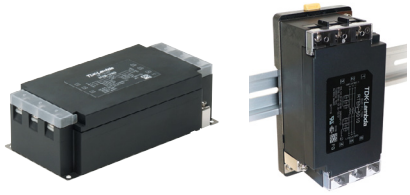


Full Datasheet
https://product.tdk.com/en/filters/rsmn

RSMN Series

Single Phase 250Vac 3 to 60A EMI Filters with DIN Rail Mount option

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

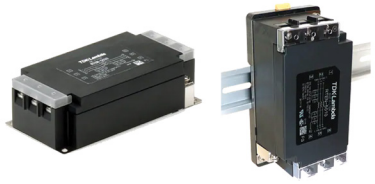


Full Datasheet
https://product.tdk.com/en/filters/rten

RTEN Series

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



Full Datasheet
https://product.tdk.com/en/filters/rtan

RTAN Series

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

DIN Rail Products



DBM20 Series

Full Datasheet
https://product.tdk.com/en/power/dbm

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



DRM40 Series

Full Datasheet
https://product.tdk.com/en/power/drm40

DIN Rail Redundancy Module

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



DUSH960 Series

Full Datasheet
https://product.tdk.com/en/power/dush

DIN Rail UPS Modules

- DC-UPS with integrated DC-DC converter
- Wide programmable input & output voltage range
- High Efficiency 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
- Enables Remote Monitoring, Maintenance, and Parameter Adjustment

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.

TDK In Everything, Better

Our team of experts will be happy to help you find the best power supply for your application.



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