



2020 | DC/DC Converters AC/DC Power Supplies Product Portfolio



Company Profile

TRACO Electronic AG is a Swiss company with headquarters based in Baar, Switzerland. As a leading power supply specialist with more than 40 years experience we are dedicated to the design and manufacturing of high quality DC/DC and AC/DC power conversion products.

TRACO markets its products worldwide under the registered trademark TRACO POWER. Our mission is to provide our customers with optimal power supply solutions in terms of performance, quality and cost for their individual application.

Product Range

TRACO POWER's product range focuses on the four **vertical markets:**

Industrial, Medical & Healthcare, Railway / Ruggedized and Building Technology & Household.

Within these markets TRACO offers one of the most comprehensive programs for standard products in application areas such as:

Test & Measurement, Automation & Control, Robotics, Machinery, Therapy, Diagnostic, Laboratory, Home & Office Automation, White Goods, Transportation, Construction & Farming, Information Technology, Smartgrid, Renewable Energy, Oil & Gas.

Detailed product data can be downloaded from our website: www.tracopower.com

Icons used throughout the catalog



High isolation products for medical applications

- Product certification according to IEC/EN/ES 60601-1 3rd edition for 2xMOPP
- EMC emission according to IEC 60601-1-2 ed. 4
- Risk management process according to ISO 14971 including risk management file
- Acceptance criteria for electronic assemblies according to IPC-A-610 Level 3
- Design and production according to ISO 13485 quality management system
- 5-year product warranty



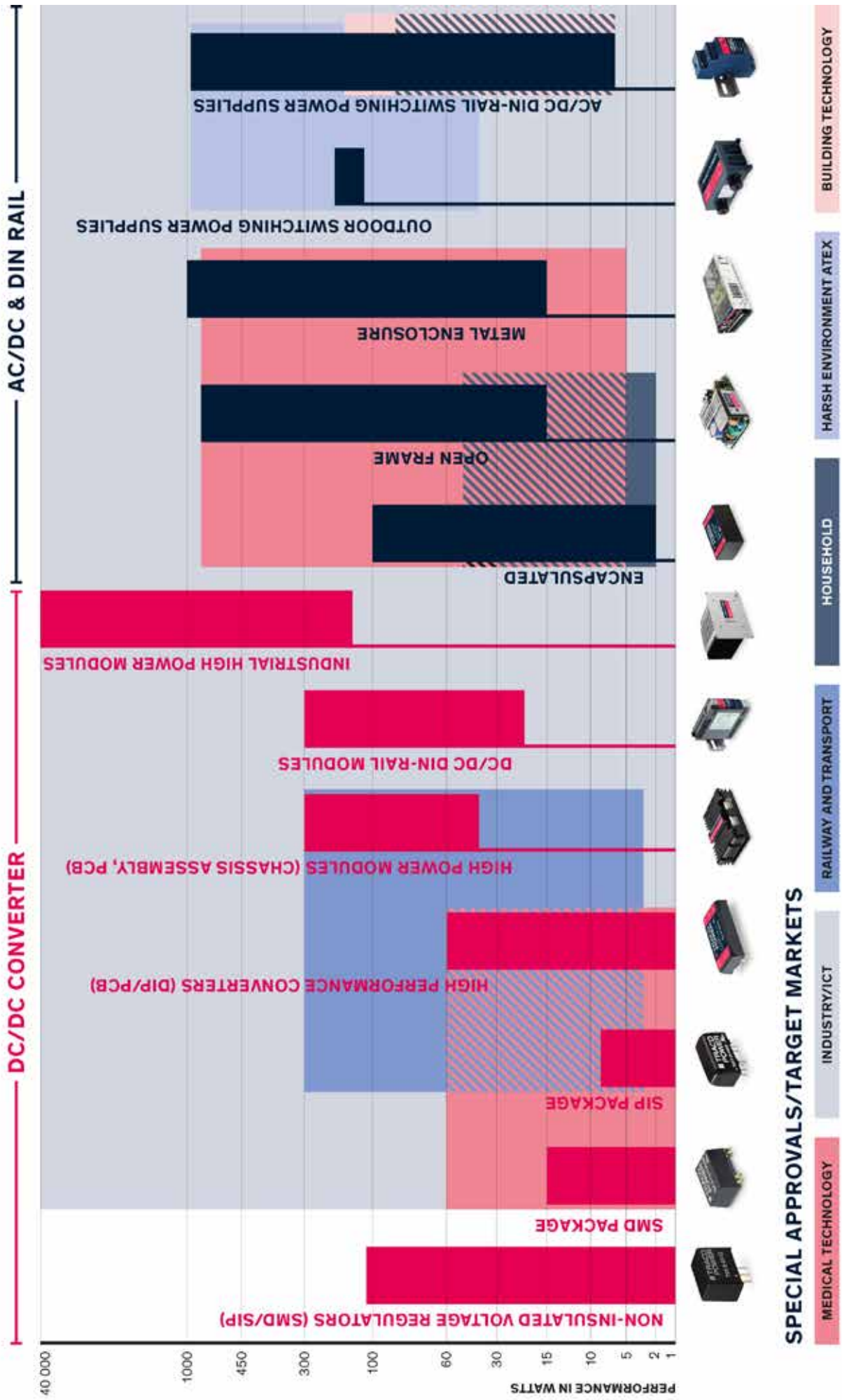
Ruggedized DC/DC converters for railway applications

- Approved to EN 50155 for electronic equipment used on rolling stock
- Shock and vibration test according to EN 61373
- Qualification for the fire behavior of components according to EN 45545-2



Building Technology / Household

- Product certification according to IEC/EN 60335-1



DC/DC Converters

Non-Isolated Step Down DC / DC Converters (POL) in SIP Package	0.5–30 Amp	5
Non-Isolated Step Down DC / DC Converters (POL) SMD Package	0.5–30 Amp	5–6
SMD DC/DC Converters	1–15 Watt	6–7
SIP DC/DC Converters	1–9 Watt	7–9
High Performance DC/DC Converters	1–60 Watt	9–13
High Power DC/DC Converters / RIA 12 Surge Filter	40–300 Watt	13–14
Industrial DIN-Rail Mount DC/DC Converters	20–300 Watt	14
Industrial High Power Converters	150 Watt–40 kW / 45 kVA	14

AC/DC Power Supplies

Encapsulated AC/DC Power Modules	2–100 Watt	15–16
Metal Enclosure and Open Frame Power Supplies	15–1000 Watt	16–17
Outdoor Power Supply	120 Watt	18

DIN-Rail Mount System Solutions

DIN-Rail Power Supplies	6–960 Watt	19
UPS Systems and Function Modules (DIN-Rail and Industrial Cabinets)		20

Non-Isolated Step Down DC / DC Converters (POL) in SIP Package

0.5–30 Amp

- Alternative to linear voltage regulators
- High efficiency up to 97%

- No heat-sink required
- Over-temperature protection

- Excellent line / load regulation
- Operating temperature -40 to +85°C

0.5 AMP

- +Vin /+Vout
- Input 4.75–32 VDC
- 1.5 to 15 Vout fixed
- LM78xx compatible
- 11.5 x 7.6 x 10.2 mm

TSR 0.5



0.6 AMP

- +Vin /+Vout
- Input 9.0–72 VDC
- 3.3 to 24 Vout fixed
- LM78xx compatible
- 12 x 8.6 x 13.4 mm

TSR 0.6WI
NEW

1 AMP

- +Vin /+Vout
- Input 4.6–36 VDC
- 1.5 to 15 Vout fixed
- LM78 compatible
- 11.7 x 7.6 x 10 mm

TSR 1



1 AMP

- +Vin /+Vout
- Input 6–36 VDC
- 3.3 and 5.0 Vout fixed
- Cost optimized design
- LM78xx compatible
- 11.5 x 7.6 x 10.2 mm

NEW under development

TSR 1E



1.0 AMP

- +Vin /+Vout
- Input 9.0–72 VDC
- 3.3 to 24 Vout fixed
- LM78xx compatible
- 12.1 x 8.6 x 17.5 mm

TSR 1WI
NEW

1 AMP

- -Vin /-Vout
- Input -7.0–32 VDC
- -5.0 to -15 Vout fixed
- LM79 compatible
- 11.7 x 7.5 x 16.5 mm

TSN 1



1 AMP

- +Vin /+Vout or -Vout
- Input 4.6–42 VDC
- (±)1.5 to 15 Vout fixed
- 11.7 x 7.5 x 10.2 mm

TSRN 1



2 AMP

- +Vin /+Vout
- Input 3.0 – 36 VDC
- 1.2 to 15 Vout fixed
- LM78 compatible
- 14 x 7.5 x 10.1 mm

TSR 2



3 AMP

- +Vin /+Vout or -Vout
- Input 2.5 – 30 VDC
- (±) 0.6 to 15 Vout adjust.
- Remote On/Off
- Open frame
- 16.5 x 10.4 x 6 mm

TSR 3



6–30 AMP

- +Vin /+Vout
- Input 2.4 – 14 VDC
- 0.75 to 5.5 Vout adjust.
- Remote On/Off
- Open frame

TOS



Non-Isolated Step Down DC / DC Converters (POL) SMD Package

0.5–30 Amp

- Alternative to linear voltage regulators
- High efficiency up to 97%

- No heat-sink required
- Over-temperature protection

- Excellent line / load regulation
- Operating temperature -40 to +85°C

0.5 AMP

- +Vin /+Vout
- Input 4.75 – 32 VDC
- 1.4 to 15.5 Vout adjust.
- Remote On/Off
- 15.3 x 9.6 x 9.2 mm

TSR 0.5SM



1 AMP

- +Vin /+Vout
- Input 3.0 – 36 VDC
- 1.2 to 15 Vout fixed
- 15.2 x 9.3 x 7.6 mm

TSR 1SM



1 AMP

- +Vin /+Vout or -Vout
- Input 3.0 – 42 VDC
- (±)1.2 to 15.5 VDC adjust.
- Remote On/Off
- 15.2 x 9.3 x 7.3 mm

TSRN 1SM



6–30 AMP

TOS

- +Vin /+Vout
- Input 2.4 – 14 VDC
- 0.75 to 5.5 VDC adjust.
- Remote On/Off
- Open frame



SMD DC/DC Converters

1–15 Watt

- MSL Level 2a or better
- Operating temperature -40 to +85°C

- 1500 VDC I/O-isolation (standard)
- Single and dual output models

- Washable models on request
- Available in tape & reel package

1 WATT

TES 1

- ±10 % Input 5, 12, 24 VDC
- 3.3 to 15 VDC (unregulated)
- 13.7 x 8.0 x 7.0 mm (single)
- 16.2 x 8.0 x 7.0 mm (dual)



1 WATT

TES 1V

- 3000 VDC I/O-isolation
- ±10 % Input 5, 12, 24 VDC
- 3.3 to 15 VDC (unregulated)
- 16.3 x 8.0 x 8.0 mm



1 WATT

TRN 1SM

- 2:1/3:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- 11.9 x 11.3 x 8.0 mm



1 WATT

TDN 1WISM

- 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- 13.2 x 9.1 x 10.2 mm



1 WATT

TMR 1SM

- 2:1 Input 4.5 to 75 VDC
- 5.0 to 24 VDC
- 18.9 x 13.7 x 8.7 mm



2 WATT

TES 2H

- ±10 % Input 5, 12, 24 VDC
- 3.3 to 15 VDC (unregulated)
- 16.3 x 9.3 x 8.9 mm



2 WATT

TMR 2WISM

- 4:1 Input 4.5 to 75 VDC
- 5.0 to 24 VDC
- Remote On/Off
- IEC/UL 62368-1
- 19.0 x 14.9 x 8.7 mm



2 WATT

TDR 2(WI)SM

- Epoxy over mold (washable)
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 15 VDC
- Remote On/Off
- IEC/UL 62368-1
- 18.9 x 12.8 x 8.7 mm



2 WATT

TRS 2

- 2:1/3:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- 11.9 x 11.3 x 8.0 mm



2 WATT

TES 2M

- 4 kVAC I/O-isolation
- ±10 % Input 5, 12, 24 VDC
- 5.0 to 15 VDC (unreg.)
- IEC/UL 60950-1, IEC 60601-1 (2x MOOP)
- 24.0 x 13.7 x 9.3 mm



2 WATT

⊕ TIM 2SM

- Medical safety approval
- 2:1/3:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- IEC/UL 62368-1, IEC/ES 60601-1
- SMD-16 (24.3 x 14.4)



3 WATT

TRN 3SM

- 2:1/3:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- 11.9 x 11.3 x 8.0 mm



3 WATT

TDN 3WISM

- 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- Compact design
- 13.2 x 9.1 x 10.2 mm



3 WATT

TMR 3WISM

- 4:1 Input 4.5 to 75 VDC
- 5.0 to 24 VDC
- Remote On/Off
- IEC/UL 62368-1
- 19.0 x 14.9 x 8.7 mm



3 WATT

TDR 3(WI)SM

- Epoxy over mold (washable)
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 5.0 to 24 VDC
- Remote On/Off
- IEC/UL 62368-1
- 18.9 x 12.8 x 8.7 mm



3 WATT

THL 3WISM

- EN 55032 class A filter
- 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- IEC/UL 60950-1
- 24.0 x 13.7 x 8.0 mm



3.5 WATT

TIM 3.5SM

- Medical safety approval (2 x MOPP)
- 2:1/3:1 Input 4.5 to 75 VDC
- 5.0 to 24 VDC
- IEC/UL 60950-1, IEC/ES 60601-1
- SMD-16 (24.3 x 14.4)



5 WATT

TDN 5WISM

- 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- Compact design
- 13.2 x 9.1 x 10.2 mm



6 WATT

THL 6WISM

- EN 55032 class A filter
- 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- IEC/UL 60950-1
- 22.0 x 20.3 x 10.2 mm



15 WATT

TON 15(WI)SM

- EN 55032 class A filter
- 2:1 or 4:1 Input. 9 to 75 VDC
- 3.3 to 15 VDC adjust.
- Remote On/Off
- IEC/UL 60950-1
- 27.9 x 23.9 x 8.5 mm



SIP DC/DC Converters

1–9 Watt

- Single and dual output models (standard)
- Operating temperature -40 to +85°C

- IT approval acc. to IEC/EN/UL 60950-1 / 62368-1 (for regulated & high isolation converters)

- 1500 VDC I/O-isolation (standard)

1 WATT

TBA 1E
NEW

- Unregulated
- Short circuit protection
- ±10 % Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 6 x 10 mm



1 WATT

TEA 1E
NEW

- Unregulated
- Cost optimized design
- ±10 % Input 5 VDC
- 5 VDC output (single)
- 19.5 x 6 x 10 mm



1 WATT

TMA

- Unregulated
- ±10 % Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 6.1 x 10.2 mm



1 WATT

TBA 1
NEW

- Unregulated
- Short circuit protection
- Compact design
- ±10 % Input 3.3 to 24 VDC
- 3.3 to 15 VDC (single only)
- 11.7 x 6 x 10 mm



1 WATT

TEA 1
NEW

- Unregulated
- Compact and cost optimized design
- ±10 % Input 5 VDC
- 5 VDC output (single)
- 11.7 x 6 x 10.2 mm



1 WATT

TME

- Unregulated
- Compact design
- ±10 % Input 3.3 to 24 VDC
- 3.3 to 15 VDC (single only)
- 11.5 x 6.1 x 10.2 mm



1 WATT

TRA 1

- Semi regulation (load)
- ±10 % Input 5, 12, 24 VDC
- 5.0 to 15 VDC
- 19.5 x 6.1 x 10.2 mm



1 WATT

TMAP

- Unregulated
- Short circuit protection
- 3000 VDC I/O-isolation
- ±10 % Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 7.1 x 10.2 mm



1 WATT

TMV

- Unregulated
- 3000 VDC I/O-isolation
- ±10 % Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 6.1 x 10.2 mm



1 WATT

TBA 1HI
NEW

- Unregulated
- Short circuit protection
- 3000 VDC I/O-isolation
- ±10 % Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 6 x 10 mm



1 WATT

TEA 1HI
NEW

- Unregulated
- 4000 VDC I/O-isolation
- Cost optimized design
- ±10 % Input 5 VDC
- 5 VDC output (single)
- 19.5 x 6 x 10 mm



1 WATT

TMV-HI

- Unregulated
- 5200 VDC I/O-isolation
- ±10 % Input 5 to 24 VDC
- 3.3 to 15 VDC
- 19.5 x 7.5 x 10.2 mm



1 WATT

- Unregulated
- 3000 VDC reinforced I/O-isolation
- $\pm 10\%$ Input 5 to 12 VDC
- 5.0 to 15 VDC
- 22.0 x 7.5 x 12.5 mm



TMV-EN

1 WATT

- Semi regulation (load)
- 3000 VDC I/O-isolation
- $\pm 10\%$ Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 6.1 x 10.2 mm



TRV 1

1 WATT

- Semi regulation
- Medical safety approval (2 x MOPP)
- 5000 VAC I/O-isolation (reinforced)
- $\pm 10\%$ Input 5 to 24 VDC
- 3.3 to 15 VDC
- 19.6 x 9.8 x 12.5 mm



⊕ TRV 1M

NEW under development

1 WATT

- Regulated
- 2:1/3:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- 11.9 x 7.7 x 11.0 mm



TRN 1

1 WATT

- Regulated
- 2:1 Input 4.5 to 75 VDC
- 5.0 to 24 VDC
- 17.0 x 7.6 x 11.0 mm



TMR 1

2 WATT

- Unregulated
- 5200 VDC I/O-isolation
- $\pm 10\%$ Input 5 to 24 VDC
- 3.3 to 15 VDC
- 19.5 x 7.1 x 10.2 mm



TMV 2HI

2 WATT

- Unregulated
- Short circuit protection
- 1500 VDC I/O-isolation
- $\pm 10\%$ Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 7.6 x 10.2 mm

TBA 2
NEW

2 WATT

- Unregulated
- $\pm 10\%$ Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 7.5 x 10.2 mm



TMH

2 WATT

- Regulated
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- 21.8 x 9.1 x 11.2 mm



TEC 2(WI)

2 WATT

- Regulated
- 2:1 Input 4.5 to 75 VDC
- 3.3 to 12 VDC
- Remote On/Off
- 21.8 x 9.2 x 11.1 mm



TMR 2

2 WATT

- Regulated
- 4:1 Input 4.5 to 75 VDC
- 3.3 to 15 VDC
- Remote On/Off
- 21.8 x 9.3 x 11.2 mm



TMR 2WIN

3 WATT

- Semi regulation (load)
- $\pm 10\%$ Input 5 to 24 VDC
- 5.0 to 15 VDC
- 19.5 x 7.6 x 10.2 mm



TRA 3

3 WATT

- Regulated
- 2:1/3:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- 11.9 x 7.7 x 11.0 mm



TRN 3

3 WATT

- Regulated
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- 21.8 x 9.1 x 11.2 mm



TEC 3(WI)

3 WATT

- Regulated
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 15 VDC
- Remote On/Off
- 21.8 x 9.2 x 11.2 mm



TMR 3(WI)

3 WATT

- Regulated
- 3000 VDC I/O-isolation
- 2:1 Input 4.5 to 75 VDC
- 3.3 to 15 VDC
- Remote On/Off
- 21.8 x 9.2 x 11.2 mm



TMR 3HI

3 WATT

- Ultra low ripple & noise
- 2:1/3:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- 21.8 x 9.6 x 11.2 mm



TVN 3

3 WATT

- Railway approval
- Regulated
- 3000 VDC I/O-isolation
- 4:1 Input 9 to 160 VDC
- 3.3 to 24 VDC
- 21.8 x 9.6 x 11.2 mm



🚂 TMR 3WIR

4 WATT

- Regulated
- 2:1 or 4:1 Input 9 to 75 VDC
- 5 to 24 VDC
- Remote On/Off
- 21.8 x 9.3 x 11.2 mm



TMR 4(WI)

NEW under development

6 WATT

- Regulated
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- 21.8 x 9.1 x 11.2 mm



TMR 6(WI)

6 WATT

- Railway approval
- Regulated
- 3000 VDC I/O-isolation
- 4:1 Input 9 to 160 VDC
- 3.3 to 24 VDC
- 21.8 x 9.6 x 11.2 mm



🚂 TMR 6WIR

9 WATT

TMR 9(WI)

- Regulated
- 2:1or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- Remote On/Off
- 21.8 x 9.1 x 11.2 mm



High Performance DC/DC Converters

1–60 Watt

- Fully regulated outputs
- Single, dual (and triple) output models

- 1500 VDC I/O-isolation (standard)
- IT approval acc. to IEC/EN/UL 60950-1 / 62368-1

- Operating temperature -40 to +85°C
- Opt. heat-sink for most >10 Watt models
- Remote On/Off control

1 WATT

TDN 1WI

- 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- 13.2 x 9.1 x 10.2 mm



2 WATT

- Compact design
- 2:1 Input 4.5 to 75 VDC
- 3.3 to 15 VDC
- 14.0 x 14.0 x 8.0 mm



2 WATT

TDR 2(WI)

- Epoxy over-mold
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 5.0 to 15 VDC
- 18.9 x 12.8 x 8.7 mm



2 WATT

TEL2

- 2:1 Input 4.5 to 75 VDC
- 3.3 to 15 VDC
- EN 55032 class A filter
- DIP-16 (23.8 x 13.7)



2 WATT

THI 2M

- Unregulated
- 2 x MOOP
- ±10 % Input 5 to 24 VDC
- 5.0 to 15 VDC
- DIP-16 (23.8 x 13.7)



2 WATT

⊕ TIM 2

- Medical safety approval
- 2:1/3:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- DIP-16 (24.3 x 14.4)



3 WATT

TDL 3

- Compact design
- 2:1 Input 4.5 to 75 VDC
- 3.3 to 15 VDC
- 14.0 x 14.0 x 8.0 mm



3 WATT

TDN 3WI

- Ultra compact design
- 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- 13.2 x 9.1 x 10.2 mm



3 WATT

TDR 3(WI)

- Epoxy over-mold
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 5.0 to 15 VDC
- 18.9 x 12.8 x 8.7 mm



3 WATT

THL 3WI

- 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-16 (23.8 x 13.7)



3 WATT

TEM 3N

- Cost down redesign
- ±10 % Input 5 to 24 VDC
- 5.0 to 15 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)



3 WATT

TEL 3

- Cost optimized
- 2:1/3:1 Input 4.5 to 75 VDC
- 5.0 to 15 VDC
- DIP-24 (32 x 20.3)



3 WATT

TEN 3(WI)N

- Cost down redesign
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)



3.5 WATT

TRI 3
NEW

- 5000 VAC I/O-isolation rated for 1000 Vrms working voltage
- 2:1 Input 4.5 to 75 VDC
- 5.1 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)



3 WATT

NEW under development

THR 3WI

- 3000 VAC I/O-isolation (reinforced)
- 4:1 Input 9 to 160 VDC
- 5 to 15 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)



3 WATT**THI 3**

- Regulated
- ±10 % Input 5 to 24 VDC
- 5.0 to 15 VDC
- 2 x MOOP
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**3 WATT****THP 3**

- Regulated
- 4:1 Input 9 to 160 VDC
- 5.0 to 12 VDC
- 2 x MOOP
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**3 WATT****⊕ THM 3(WI)**

- Medical safety approval
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**3.5 WATT****⊕ TIM 3.5**

- Medical safety approval
- 2:1/3:1 Input 4.5 to 75 VDC
- 5.0 to 24 VDC
- DIP-16 (24.3 x 14.4)

**5 WATT****TDN 5WI**

- Highest power density
- 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- 13.2 x 9.1 x 10.2 mm

**5 WATT****TVN 5WI**

- Ultra low ripple & noise
- 4:1 Input 4.5 to 75 VDC
- 3.3 to 48 VDC
- EN 55032 class B filter
- Case pin
- DIP-24 (32 x 20.3)

**5 WATT****TEL 5**

- Cost optimized
- 2:1 Input 9 to 36 VDC
- 3.3 to 15 VDC
- DIP-24 (32 x 20.3)

**6 WATT****TMDC 06
NEW**

- 4:1 Input 9 to 75 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- Chassis/DIN-rail
- Screw terminal connection
- 53 x 34 x 26.5 mm

**6 WATT****TMDC 06H
NEW**

- 2:1 Input 80 to 160 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- Chassis/DIN-rail
- Screw terminal connection
- 53 x 34 x 26.5 mm

**6 WATT****TEN 6(WI)N**

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**6 WATT****TEN 6WIN-HI**

- 3000 VDC I/O-isolation
- 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**6 WATT****TRI 6
NEW**

- 5000 VAC I/O-isolation rated for 1000 Vrms working voltage
- 2:1 Input 9.0 to 75 VDC
- 5.0 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**6 WATT****⊕ THM 6(WI)**

- Medical safety approval
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**8 WATT****TEL 8(WI)**

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-16 (24.1 x 14)

**8 WATT****TEN 8**

- 2:1 Input 9 to 75 VDC
- 3.3 to 15 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**8 WATT****🚂 TEN 8WI**

- Railway approval
- 4:1 Input 9 to 160 VDC
- 3.3 to 15 VDC
- Increased EMC immunity
- DIP-24 (32 x 20.3)

**10 WATT****TEL 10
NEW**

- Highest power density of 3.83 W/cm³
- 2:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-16 (23.8 x 13.3)

**10 WATT****TEL 10WI**

- Highest power density of 3.83 W/cm³
- 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-16 (23.8 x 13.3)

**10 WATT****THD 10(WI)N**

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

**10 WATT****THL 10(WI)**

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- 1" x 1"

**10 WATT****🚂 THN 10WIR
NEW**

- Railway approval
- EN 55032 class A filter
- 4:1 Input 9 to 160 VDC
- 3.3 to 24 VDC adjust.
- Increased EMC immunity
- 1" x 1"



10 WATT

- 5000 VAC I/O-isolation rated for 1000 Vrms working voltage
- 2:1 Input 9 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)

TRI 10
NEW

10 WATT

- 3000 VAC I/O-isolation (reinforced)
- 4:1 Input 9 to 160 VDC
- 5 to 24 VDC
- EN 55032 class A filter
- 2" x 1"

THR 10WI
NEW under development

10 WATT

- Medical safety approval
- 2:1 or 4:1 Input 4.5 to 75 VDC
- 3.3 to 24 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)



⊕ THM 10(WI)

10 WATT

- Chassis/DIN-rail
- Screw terminal connection
- 4:1 Input 9 to 75 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- 79 x 34 x 22 mm

TMDC 10
NEW

10 WATT

- Chassis/DIN-rail
- Screw terminal connection
- 2:1 Input 80 to 160 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- 79 x 34 x 22 mm

TMDC 10H
NEW

12 WATT

- Highest power density of 3.61 W/cm³
- 4:1 Input 9 to 75 VDC
- 5 to 24 VDC
- EN 55032 class A filter
- DIP-16 (23.8 x 13.3)

TEL 12WI
NEW

12 WATT

- 2:1 or 4:1 Input 9 to 75 VDC
- 2.5 to 15 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)



THD 12(WI)

15 WATT

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 15 VDC
- EN 55032 class A filter
- DIP-24 (32 x 20.3)



THD 15(WI)N

15 WATT

- 2:1 or 4:1 Input. 9 to 75 VDC
- 3.3 to 15 VDC adjust.
- EN 55032 class A filter
- 27.9 x 23.9 mm



TON 15(WI)

15 WATT

- 2:1 Input 9 to 75 VDC
- 3.3 to 48 VDC adjust.
- EN 55032 class A filter
- 1" x 1"
- Low no-load power consumption



THN 15N

15 WATT

- 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC adjust.
- EN 55032 class A filter
- 1" x 1"

THL 15WI
NEW

15 WATT

- 4:1 Input 9 to 75 VDC
- 3.3 to 48 VDC adjust.
- 1" x 1"
- Remote On/Off

THN 15WI
NEW models

15 WATT

- 4200 VAC I/O-isolation rated for 1000 Vrms working voltage
- 2:1 Input 9 to 75 VDC
- 5.1 to 24 VDC
- EN 55032 class A filter
- 2" x 1"

TRI 15
NEW

15 WATT

- Railway approval
- EN 55032 class A filter
- 4:1 Input 9 to 160 VDC
- 3.3 to 48 VDC adjust.
- Increased EMC immunity
- 1" x 1"



THN 15WIR

15 WATT

- Medical safety approval
- 2:1 or 4:1 Input 9 to 75 VDC
- 5.0 to 24 VDC
- EN 55032 class A filter
- 1.6" x 1"



⊕ THM 15(WI)

20 WATT

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 48 VDC adjust.
- EN 55032 class A filter
- 1" x 1"

THN 20(WI)
NEW models

20 WATT

- 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC adjust.
- 1" x 1"
- Remote On/Off



THL 20WI

20 WATT

- 2:1 Input 9 to 75 VDC
- 3.3 to 15 VDC
- EN 55032 class A filter
- 2" x 1"



TEN 20

20 WATT

- 4:1 Input 9 to 75 VDC
- 3.3 to 15 VDC adjust.
- Remote On/Off
- 2" x 1"



TEN 20WIN

20 WATT

- 4200 VAC I/O-isolation rated for 1000 Vrms working voltage
- 2:1 Input 9 to 75 VDC
- 5.1 to 24 VDC
- EN 55032 class A filter
- 2" x 1"

TRI 20
NEW

20 WATT

- 3000 VAC I/O-isolation (reinforced)
- 4:1 Input 9 to 160 VDC
- 5 to 24 VDC
- EN 55032 class A filter
- 2" x 1"

THR 20WI
NEW under development

20 WATT  **THN 20WIR**
NEW under development

- Railway approval
- 4:1 Input 9 to 160 VDC
- 3.3 to 24 VDC adjust.
- Increased EMC immunity
- 1" x 1"



20 WATT  **TEN 20WIR**

- Railway approval
- EN 55032 class A filter
- 4:1 Input 9 to 160 VDC
- 3.3 to 15 VDC adjust.
- Increased EMC immunity
- 2" x 1"



20 WATT  **THM 20(WI)**

- Medical safety approval
- 2:1 or 4:1 Input 9 to 75 VDC
- 5.0 to 24 VDC
- EN 55032 class A filter
- 1.6" x 1"



20 WATT **TMDC 20**

- Chassis/DIN-rail
- Screw terminal connection
- 4:1 Input 9 to 75 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- 3.8" x 2.1" x 0.9"



20 WATT **TMDC 20H**
NEW

- Chassis/DIN-rail
- Screw terminal connection
- 2:1 Input 80 to 160 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- 3.8" x 2.1" x 0.9"



20 WATT  **TEQ 20WIR**

- Railway approval
- EN 55032 class B filter
- 4:1 Input 9 to 160 VDC
- 5.0 to 24 VDC adjust.
- Increased EMC immunity
- Temp. range -40 to 93°C
- 4.1" x 2.3" x 1"



25 WATT **THL 25(WI)**

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 15 VDC adjust.
- Remote On/Off
- 1" x 1"



30 WATT **TEN 30**

- 2:1 Input 9 to 75 VDC
- 3.3 to 15 VDC adjust.
- Remote On/Off
- 2" x 1"



30 WATT **TEN 30WIN**

- With triple output models
- 4:1 Input 9 to 75 VDC
- 3.3 to 15 VDC adjust.
- 2" x 1"



30 WATT **THN 30(WI)**
NEW models

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC adjust.
- Remote On/Off
- 1" x 1"



30 WATT  **THN 30WIR**
NEW under development

- Railway approval
- 4:1 Input 9 to 160 VDC
- 3.3 to 24 VDC adjust.
- Increased EMC immunity
- 1" x 1"



30 WATT  **THM 30(WI)**

- Medical safety approval
- 2:1 or 4:1 Input 9 to 75 VDC
- 5.0 to 24 VDC
- EN 55032 class A filter
- 2" x 1"



40 WATT **TEN 40(WI)**

- With triple output models
- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 15 VDC adjust.
- Sense lines
- 2" x 2"



40 WATT **TEN 40(WI)N**

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC adjust.
- Remote On/Off
- 2" x 1"



40 WATT **TEN 40(WI)E**
NEW

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC adjust.
- Maximized quality in a cost efficient design
- Remote On/Off
- 2" x 1"



40 WATT **THR 40WI**
NEW under development

- 3000 VAC I/O-isolation (reinforced)
- 4:1 Input 36 to 160 VDC
- 5 to 24 VDC
- 2" x 1"



40 WATT  **TEN 40WIR**

- Railway approval
- 4:1 Input 9 to 160 VDC
- 3.3 to 48 VDC adjust.
- Increased EMC immunity
- 2" x 1"



40 WATT  **TEQ 40WIR**

- Railway approval
- EN 55032 class B filter
- 4:1 Input 9.5 to 160 VDC
- 5.0 to 24 VDC adjust.
- Increased EMC immunity
- 4.1" x 2.3" x 1"



40 WATT **TMDC 40**

- Chassis/DIN-rail
- Screw terminal connection
- 4:1 Input 9 to 75 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- 4.4" x 2.5" x 1"



40 WATT **TMDC 40H**
NEW

- Chassis/DIN-rail
- Screw terminal connection
- 2:1 Input 80 to 160 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- 4.4" x 2.5" x 1"



50 WATT **TEN 50(WI)**

- 2:1 or 4:1 Input 9 to 75 VDC
- 3.3 to 24 VDC adjust.
- Over temperature protection
- Remote On/Off
- 2" x 1"



60 WATT

TEN 60(WI)N

- 2:1 or 4:1 Input 9 to 75 VDC
- 5.0 to 48 VDC adjust.
- EN 55032 class A filter
- 2" x 1"



60 WATT

TEN 60WIR

NEW under development

- Railway approval
- 4:1 Input 9 to 160 VDC
- 3.3 to 48 VDC adjust.
- Increased EMC immunity
- 2" x 1"



60 WATT

THM 60WI

NEW under development

- Medical safety approval
- 2 x MOPP
- 4:1 Input 9 to 75 VDC
- 5.0 to 24 VDC adjust.
- 2" x 1"



60 WATT

TMDC 60

- Chassis/DIN-rail
- Screw terminal connection
- 4:1 Input 9 to 75 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- 4.4" x 2.7" x 1.5"



60 WATT

TMDC 60H

NEW

- Chassis/DIN-rail
- Screw terminal connection
- 2:1 Input 80 to 160 VDC
- 5.1 to 48 VDC
- EN 55032 class A filter
- 4.4" x 2.7" x 1.5"



High Power DC/DC Converters / RIA 12 Surge Filter

40–300 Watt

- Excellent thermal management
- EN 55032 class A (chassis models)

- Increased EMC immunity
- Entire protective structure

- Control functions
- Wide selection of options

0–300 WATT

TFI

NEW

- RIA 12, NF F01-510 Surge Filter
- Clamps overvoltage transients (up to 385 VDC) at 168 VDC
- Wide input 43 to 160 VDC
- Brownout voltage 36 VDC min.
- DIP-24 or 1.6" x 1"



40 WATT

TEP 40UIR

NEW under development

- Railway approval
- Ultra wide 12:1 Input 9 to 160 VDC
- 5 to 53 VDC adjust.
- PCB mount
- 2.3" x 1.45" x 0.5"



60 WATT

TEP 60UIR

NEW under development

- Railway approval
- Ultra wide 12:1 Input 9 to 160 VDC
- 5 to 53 VDC
- PCB mount
- 2.3" x 1.45" x 0.5"



75 WATT

TEP 75WI

- Railway approval
- 4:1 Input 9 to 160 VDC
- 5.0 to 48 VDC adjust.
- PCB / chassis / DIN-rail
- 2.4" x 2.3" x 0.5"



100 WATT

TEP 100

- 2:1 Input 9 to 75 VDC
- 3.3 to 48 VDC adjust.
- PCB / chassis / DIN-rail
- 2.4" x 2.3" x 0.5"



100 WATT

TEP 100UIR

NEW under development

- Railway approval
- Ultra wide 12:1 Input 9 to 160 VDC
- 5 to 53 VDC
- PCB mount
- 2.3" x 1.45" x 0.5"



100 WATT

TEP 100WIR

- Railway approval
- 4:1 Input 9.0 to 160 VDC
- 5.0 to 48 VDC adjust.
- PCB / chassis / DIN-rail
- 2.4" x 2.3" x 0.5"



100 WATT

TEQ 100WIR

- Railway approval
- 85°C full load operation
- 4:1 Input 10.0 to 160 VDC
- 12 to 48 VDC adjust.
- UL 508 approval
- 3" x 4" x 3.5"



150 WATT

TEP 150WI

- CV / CC for battery charging
- Railway approval
- 4:1 Input 9 to 160 VDC
- 12 to 48 VDC adjust.
- EN 55032 class B (opt.)
- 98 x 65 x 38 mm



160 WATT

TEP 160

- 2:1 Input 16.5 to 75 VDC
- 12 to 53 VDC adjust.
- PCB / chassis / DIN-rail
- Soft start
- 2.4" x 2.3" x 0.5"



160 WATT

TEP 160WIR

- Railway approval
- 4:1 Input 9.0 to 160 VDC
- 12 to 48 VDC adjust.
- PCB / chassis / DIN-rail
- 2.4" x 2.3" x 0.5"



160 WATT

TEQ 160WIR

- Railway approval
- 75°C full load operation
- 4:1 Input 19 to 160 VDC
- 12 to 48 VDC adjust.
- UL 508 approval
- 3" x 4" x 3.5"



200 WATT  **TEP 200WIR**

- Railway approval
- 4:1 Input 9.0 to 160 VDC
- 12 to 48 VDC adust.
- Chassis mount
- DIN-rail mount opt.
- 2.4" x 3.4" x 1.5"



200 WATT  **TEQ 200WIR**

- Railway approval
- 70°C full load operation
- 4:1 Input 19 to 160 VDC
- 12 to 48 VDC adust.
- UL 508 approval
- 3" x 4" x 3.5"



300 WATT  **TEQ 300WIR**

- CV / CC for battery charging
- Railway approval
- 4:1 Input 18 to 160 VDC
- 12 to 48 VDC adust.
- UL 508 approval
- Load share function
- 6" x 4" x 1.5"



Industrial DIN-Rail Mount DC/DC Converters **20–300 Watt**

- DC/DC modules designed for DIN-Rail mount
- DC/DC modules with optional mounting kit for DIN-Rail mount

24–60 WATT **TCL-DC**

- Slim plastic casing
- UL 508 approval
- 4:1 Input 9.5 to 75 VDC
- 5.0 to 24 VDC
- EN 55032 class B filter
- 75 x 100 x 27/45



20–60 WATT **TMDC Series**

- Mounting kit for Modules
TMDC 20
TMDC 40
TMDC 60



20–300 WATT **TEQ Series**

- Mounting kit for all TEQ Series models (not on picture: TEQ 20WIR, TEQ 40WIR and TEQ 300WIR)



Industrial High Power Converters **150 Watt–40 kW / 45 kVA**

- DC/DC & AC/DC converters up to 40 kW
- DC/AC inverters up to 45 kVA
- AC/AC static switches up to 10 kVA
- Eurocassette, 19" Plug-in Modules, wall/chassis mount or DIN-Rail mount
- IEC/EN/UL 60950-1 approvals
- Modular options and customised solutions

150–5000 WATT **TSC**

- 19" plug-in /chassis / DIN
- 5 to 400 VDC
- Input 10 to 800 VDC or AC input
- Entire protection circuit
- Individual power solutions



5–40 kW **TSC 19**

- 19" sub rack
- 5 to 800 VDC
- Input 40 to 800 VDC or AC input
- Entire protection circuit
- Individual power solutions



200 VA–45 kVA **TSD**

- AC output with true sine wave
- Single and three phase
- 10 to 800 VDC input models
- AC input for frequency conversion
- Configurable for individual power solutions



Encapsulated AC/DC Power Modules

2–100 Watt

- Universal input (85–264 VAC)
- EN 55032 class B filter
- ErP ready

- IEC/EN/UL 60950-1 approvals (or IEC/EN/UL 62368-1 for new models)

- Start-up temperature -40°C for several series

2 WATT

🏠 TMSB 2

- Standby module for ErP directive
- EN 60335-1 (household)
- Const. power, no current limit
- 8 to 24 VDC
- 3.3 or 5.0 VDC aux. output
- 34.2 x 28.4 x 15 mm



3 WATT

🏠 TMPS 03

- PCB mount
- EN 60335-1 (household)
- 3.3 to 24 VDC
- 1" x 1" x 0.6"



5 WATT

🏠 TMPS 05

- PCB mount
- EN 60335-1 (household)
- 3.3 to 48 VDC
- 1" x 1" x 0.6"



5 WATT

🏠 TMPW 5

NEW under development

- Extended input 90 to 305 VAC
- EN 60335-1 (household)
- PCB mount
- 3.3 to 24 VDC
- 1.45" x 1.08" x 0.7"



4–10 WATT

TMPM

- PCB mount
- Inc. EMC immunity
- 3.3 to 24 VDC
- Compact design



10 WATT

🏠 TMPS 10

- PCB mount
- Inc. EMC immunity
- EN 60335-1 (household)
- 3.3 to 48 VDC
- Ultra-compact design 1.5" x 1" x 0.6"



10 WATT

🏠 TMPW 10

NEW under development

- Extended input 90 to 305 VAC
- EN 60335-1 (household)
- PCB mount
- 5 to 24 VDC
- 1.45" x 1.08" x 0.8"



15 WATT

🏠 TMPS 15

NEW under development

- PCB mount
- Inc. EMC immunity
- EN 60335-1 (household)
- 3.3 to 48 VDC
- 2.06" x 1.07" x 0.93"



15 WATT

🏠 ⊕ TPP 15-J

- Medical safety approval
- Chassis mount with JST connectors
- 3.3 to 48 VDC
- EN 60335-1
- 2.82" x 1.14" x 0.82"



15 WATT

🏠 ⊕ TPP 15-D

- Medical safety approval
- PCB mount, through-hole
- 3.3 to 48 VDC
- EN 60335-1
- 1.65" x 1.14" x 0.85"



4–20 WATT

TMLM

- PCB mount
- 3.3 to 24 VDC
- Single and dual
- Compact design



4–24 WATT

🏠 ⚡ TIW

- IP67 casing w. flying leads
- Fire safety for furniture
- EN 60335-1 (household)
- 3.3 to 24 VDC
- Mount in flush boxes



25 WATT

🏠 TMPW 25

NEW under development

- Extended input 90 to 305 VAC
- EN 60335-1 (household)
- PCB mount
- 5 to 24 VDC
- 2.07" x 1.08" x 0.9"



5–30 WATT

⊕ TMF

- Medical safety approval
- PCB mount
- Fully encapsulated
- Highest power density
- 5 to 24 VDC
- Single output



30 WATT

🏠 ⊕ TPP 30-J

- Medical safety approval
- Chassis mount with JST connectors
- 3.3 to 48 VDC
- EN 60335-1
- Pin connection
- 3.95" x 1.5" x 1.0"



30 WATT

🏠 ⊕ TPP 30-D

- Medical safety approval
- PCB mount, through-hole
- 3.3 to 48 VDC
- EN 60335-1
- 2.89" x 1.5" x 1.0"



24–36 WATT

🏠 ⊕ ⚡ TMW

NEW under development

- Medical safety approval
- IP68 casing w. flying leads
- Mount in flush boxes
- Fire safety for furniture
- EN 60335-1 (household)
- 5 to 24 VDC



7–50 WATT

TMG

- PCB mount
- Compact design
- 3.3 to 48 VDC
- Safety class II prepared



50 WATT

🏠 **TMPW 50**

NEW under development

- Extended input 90 to 305 VAC
- EN 60335-1 (household)
- PCB mount
- 12 to 24 VDC
- 2.92" x 1.85" x 0.9"



7-60 WATT

TMP

- PCB mount
- Industr. EMC immunity
- 3.3 to 48 VDC
- Single, dual, triple



15-60 WATT

TMP-C

- Chassis mount
- Ind. EMC immunity
- 5.0 to 48 VDC
- Single, dual, triple
- UL 508 approval
- DIN-Rail clip



20-40 WATT

TML

- PCB /chassis
- Single, dual, triple
- 3.3 to 24 VDC
- Protection class II for TML 40



24-60 WATT

TMM

- PCB mount
- Fully encapsulated
- Low profile
- 5.0 to 48 VDC



24-60 WATT

TMM-C

- Chassis mount
- Fully encapsulated
- Low profile
- 5.0 to 48 VDC
- Single / dual output
- UL 508 approval
- DIN-Rail clip



100 WATT

TML 100C

- Chassis mount
- Active PFC
- 12 to 48 VDC
- 140 x 60 x 37 mm



Metal Enclosure and Open Frame Power Supplies 15-1000 Watt

- Excellent thermal management
- Universal input (85-264 VAC)

- EN 61000-3-2 compliant
- IEC/EN/UL 60950-1 approvals (or IEC/EN/UL 62368-1 for new models)

- EN 55032 class B filter
- ErP ready

15 WATT

🏠 + **TPP 15A-J**

- Medical safety approval
- Ultra compact
- 3.3 to 48 VDC
- EN 60335-1
- Pin connection
- 2.6" x 1" x 0.73"



15 WATT

🏠 + **TPP 15A-D**

- Medical safety approval
- Ultra compact
- 3.3 to 48 VDC
- EN 60335-1
- PCB mount
- 1.5" x 1" x 0.82"



15-200 WATT

TXM

- Cost optimized design
- Fanless operation
- 3.3 to 48 VDC adjust.



15-1000 WATT

TXL

- 3.3 to 48 VDC adjust.
- Single, dual, triple
- Screw terminal block



30 WATT

NEW under development

TPI 30A-J

- Ultra compact
- Peak power up to 40 Watt
- 3.3 to 48 VDC
- Pin connection
- 3.34" x 1.36" x 0.8"



30 WATT

🏠 + **TPP 30A-J**

- Medical safety approval
- Ultra compact
- 3.3 to 48 VDC
- EN 60335-1
- Pin connection
- 3.34" x 1.36" x 0.88"



30 WATT

🏠 + **TPP 30A-D**

- Medical safety approval
- Ultra compact
- 3.3 to 48 VDC
- EN 60335-1
- PCB mount
- 2.74" x 1.36" x 0.95"



40 WATT

+ **TPP 40A**

- Medical safety approval
- 5.0 to 24 VDC adjust.
- Protection class I & II
- Pin connection
- 3" x 2" x 1,05"



40 WATT

+ **TPP 40**

- Medical safety approval
- 5.0 to 24 VDC adjust.
- Single, dual, triple
- Protection class I & II
- 3.5" x 2.4" x 1.3" mm
- Opt.: DIN-rail, pin con.



60 WATT

- 5.0 to 48 VDC (adj.)
- 3" x 1.7"
- Screw terminals



TXH 060

65 WATT

- Ultra compact
- Peak power up to 90 Watt
- 5.0 to 48 VDC
- Protection class I & II
- Pin connection
- 3" x 2" x 1.1"



TPI 65A-J

NEW under development

65 WATT

- Medical safety approval
- 5.0 to 48 VDC (adj.)
- Protection class I & II
- JST connection
- 3" x 2" x 1.1"



⊕ TPP 65A

65 WATT

- Medical safety approval
- 5.0 to 24 VDC (adj.)
- Single, dual, triple
- Protection class I & II
- 3.5" x 2.5" x 1.3"
- Opt.: DIN-rail, pin con.



⊕ TPP 65

100 WATT

- 5.0 to 48 VDC (adj.)
- Protection class I & II
- Pin connection
- 4" x 2" x 1.2"



TOP 100

100 WATT

- 5.0 to 48 VDC (adj.)
- Protection class I & II
- Pin connection
- 4.5" x 2.5" x 1.5"



TOP 100C

100 WATT

- 12 to 48 VDC (adj.)
- Protection class I & II
- 3" x 2" x 1.3"
- Opt.: Casing



TPI 100A

100 WATT

- Medical safety approval
- 12 to 48 VDC (adj.)
- Protection class I & II
- Pin connection
- 3" x 2" x 1.3"



⊕ TPP 100A

100 WATT

- Medical safety approval
- 12 to 48 VDC (adj.)
- Protection class I & II
- 3.6" x 2.4" x 1.5"
- Opt.: DIN-rail, pin con.



⊕ TPP 100

150 WATT

- 12 to 48 VDC (adj.)
- Protection class I & II
- 4" x 2" x 1.3" (opt. casing)



TPI 150A

150 WATT

- Medical safety approval
- 12 to 48 VDC (adj.)
- Protection class I & II
- 4" x 2" x 1.3"



⊕ TPP 150A

150 WATT

- Medical safety approval
- 12 to 48 VDC (adj.)
- Protection class I & II
- 4.6" x 2.4" x 1.9"
- Opt.: DIN-rail, pin con.



⊕ TPP 150

180 WATT

- Medical safety approval
- Ultra compact design
- 12 to 48 VDC (adj.)
- Protection class I & II
- Contr. & monitor signals
- 3" x 2"



⊕ TPP 180A

NEW under development

120-480 WATT

- 12 to 48 VDC (adj.)
- Compact low profile
- Screw terminals



TXH

200 WATT

- 12 to 48 VDC
- Protection class I & II
- Remote On/Off
- 5" x 3" x 1.3"



TOP 200

200 WATT

- 12 to 48 VDC
- Protection class I & II
- Remote On/Off
- 5.5" x 3.5" x 1.5"



TOP 200C

300 WATT

- Medical safety approval
- Ultra compact design
- 12 to 48 VDC (adj.)
- Protection class I & II
- Contr. & monitor signals
- 4" x 2"



⊕ TPP 300A

NEW under development

450 WATT

- Medical safety approval
- 12 to 53 VDC (adj.)
- Protection class I
- Contr. & monitor signals
- 5" x 3" x 1.6"
- 12 VDC auxiliary output for fan



⊕ TPP 450A

450 WATT

- Medical safety approval
- 12 to 53 VDC (adj.)
- Protection class I
- Contr. & monitor signals
- 5.8" x 3.2" x 1.6"
- Fan



⊕ TPP 450

600 WATT

- Load share function
- Active PFC
- 12 to 54 VDC (adj.)
- Ind. EMC immunity
- IEC-C13 line socket
- Contr. & monitor signals



TXH 600

Outdoor Power Supply

- Rugged power supplies for harsh outdoor environments
- Connection via waterproof I/O plug connectors
- Dust, water (incl. salt water), ice and oil resistant enclosure

120 WATT

TEX 120

- IP67 and NEMA 4X rated
- 12 / 24 VDC output
- Ind. EMC immunity
- Extensive safety approval package (incl. UL 508 / Atex IEC/EN 61010-1 and more)



Traco Power Solutions Ltd.

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With our design house

TRACO POWER SOLUTIONS Ltd.

we have the facility to expeditiously design customized power supplies and to manufacture prototypes and pre-series. Our competences & services:

- Research & design
- Commercial and technical support
- Pre-compliance safety and EMI test
- Mechanical and thermodynamic tests
- HALT and performance test
- 100% functional testing and burn-in
- Project attendance with external test and certification authorities
- Production of OEM and white label power supplies

DIN-Rail Power Supplies

6–960 Watt

- Universal input (85–264 VAC)
- EN 55032 class B filter

- 3-Phase input for TSP 3P models

- International safety approval package including IEC/EN/UL 60950-1 and UL 508

15–60 WATT

TMP-C

- Fully encapsulated
- 5.0 to 48 VDC
- Single, dual, triple
- Low profile



15–150 WATT

TBL

- Low profile plastic casing
- 5.0 to 24 VDC
- NEC class II (up to 90 W)
- DC-OK signal



6–90 WATT

↑ TBLC

- Low profile plastic casing
- 5.0 to 24 VDC
- High efficiency
- ErP-ready
- UL 1310 (NEC class II)
- EN 60335-1 (household)



24–240 WATT

TCL

- Slim plastic casing
- 5.0 to 48 VDC adjust.
- Screw or spring clamp connection
- DC-OK signal



30–120 WATT

TPC

- Robust plastic casing
- 5.0 to 48 VDC adjust.
- ErP-ready
- DC-OK signal



80–480 WATT

TIB
NEW models

- Rugged metal casing
- Cost optimized design
- 12, 24, 48 VDC output
- High efficiency
- Active PFC
- Alternative side mounting



80–480 WATT

TIB-EX
NEW

- UL HazLoc Class I, division 2 and ATEX certification
- Rugged metal casing
- 12, 24, 48 VDC output
- Cost optimized design
- High efficiency
- Active PFC



50–480 WATT

TSPC

- Rugged metal casing
- 12 to 48 VDC adjust.
- IECEx / Atex
- DC-OK signal



72–600 WATT

TSP

- Rugged metal casing
- 12 to 48 VDC adjust.
- Atex (opt.) approval
- Entire control signals



180–600 WATT

TSP-WR

- Rugged metal casing
- 24 VDC adjust
- Wide input ranges 100/230–500 VAC
- Entire control signals



50–600 WATT

TIS

- Low profile metal casing
- 12 to 72 VDC adjust
- Int. function modules



240–960 WATT

TSP-3P

- 3-phase input 320-440/400–550 VAC
- 24 VDC fixed
- DC-OK signal
- Phase fault signal



UPS Systems and Function Modules (DIN-Rail and Industrial Cabinets)

- System modules for Charging, Buffering, Powersharing, Redundancy, Oring or Freewheeling
- Modules with battery interfaces providing fully integrated fail save DC power solutions (UPS)
- Solutions for further upgrading TRACO POWER power supplies or function modules

UPS SYSTEM

240 WATT TSPC 240UPS

- Power Supply with integrated Battery management module
- 24 VDC output, tightly reg. also in power fail mode
- Use with 12 VDC battery



BATTERY CONTROLLER MODULES

360 WATT TSP-BCMU360

- Universal module
- For 24 & 48 VDC, tightly reg. also in power fail mode
- Use with 12 VDC battery
- No remote link to PS
- Also for redundant operation



12-48 VDC TSP-BCM

- TSP Series access & module
- For 12, 24, 48 VDC models



BUFFER MODULE

600 WATT TSP-BFM

- Universal module
- For any 24 VDC source
- 120 Ws buffer energy
- No batteries
- No remote link to PS



BATTERY PACK

TSP-BAT

- Battery packs
- High quality lead acid
- 12 VDC/7.2 Ah
- 24 VDC/1.2 to 12 Ah



UPS SYSTEM

600 WATT TSPC-DCM

- Decoupling module (no signal outputs)
- For 5 - 28 VDC
- 2 inputs, 25 A max.
- No remote link to PS
- Rugged metal casing



240 WATT TPC-REM

- TPC series access modules
- Active current sharing
- For 24 or 48 VDC models
- 2 Inputs, 240 W
- DC-OK signal output
- Robust plastic casing



480 WATT TCL-REM

- Redundancy module
- For 5 - 60 VDC
- 2 x 5 A - 10 A out max.
- No remote link to PS (no signal outputs)
- Slim plastic casing



360-600 WATT TSP-REM

- TSP series access modules
- Active current sharing
- For 24 VDC, 2 inputs
- Alarm signal
- Remote On/Off
- Rugged metal casing



TRACO POWER dedicated to design and production of high quality, state-of-the-art DC/DC & AC/DC power conversion products. Our mission is to provide optimal power supply solutions for specific applications with regard to performance, quality, cost and functionality.

TRACO POWER stocks an average of USD 25+ million in available finished goods inventory for immediate shipment through our distribution partners.

TRACO POWER offers extended product life-cycles, typically 10+ years, and our products are supported by a 3 or 5 year product warranty. We understand our customers require a high quality solution as well as a diverse product offering, availability from stock, extended life-cycles and a strong commitment to quality in the form of extended warranty to support their business.

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