

DC/DC电源模块
DC-DC Converters

产品系列 Series	功率 Power (W)	输入电压 Input voltage (V)	输出电压 Output voltage (V)	隔离电压 Isolation (V)	封装形式 Package	输出调整 Output regulation	尺寸 Dimensions (mm)	产品图片 Product view
TP03DA	3	5 (2:1) 4.5-9 12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15 ±5, ±12, ±15	1500	DIP	Regulated/ SC protection	31.75*20.32*11.2	
TP03DB	3	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15 ±5, ±12, ±15	1500	DIP	Regulated/ SC protection	25.4*25.4*11.2	
TP05DA	5	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15, 24/±5, ±12, ±15	1500	DIP	Regulated/ SC protection	31.75*20.32*11.2	
TP05DB	5	5 (2:1) 4.5-9 12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15, 24/±5, ±12, ±15, ±24	1500	DIP	Regulated/ SC protection	25.4*25.4*11.2	
TP06DA	6	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15, 24/±5, ±12, ±15	1500	DIP	Regulated/ SC protection	31.75*20.32*11.2	
TP06DB	6	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15 ±5, ±12, ±15	1500	DIP	Regulated/ SC protection	25.4*25.4*11.2	
TP10DC	10	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15 ±5, ±12, ±15	1500	DIP	Regulated/ SC protection	50.8*25.4*11.2	
TP15DC	15	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	3.3, 5, 12, 15/ ±5, ±12, ±15	1500	DIP	Regulated/ SC protection	50.8*25.4*11.2	
TP15DD	15	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15, 24/±5, ±12, ±15	1500	DIP	Regulated/ SC protection	50.8*40.6*11.2	
TP20DD	20	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15, 24/±5, ±12, ±15	1500	DIP	Regulated/ SC protection	50.8*40.6*11.2	
TP25DD	25	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	3.3, 5, 12, 15, 24/±5, ±12, ±15	1500	DIP	Regulated/ SC protection	50.8*40.6*11.2	
TP25DG	25	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15, 24/±5, ±12, ±15	1500	DIP	Regulated/ SC protection	50.8*50.8*11.2	
TP30DG	30	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72 24 (4:1) 9-36 48 (4:1) 18-72	3.3, 5, 12, 15, 24/±5, ±12, ±15	1500	DIP	Regulated/ SC protection	50.8*50.8*11.2	
TP40DG	40	12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	3.3, 5, 12, 15, 24/±5, ±12, ±15	1500	DIP	Regulated/ SC protection	50.8*50.8*11.2	

DC/DC 电源模块非隔离系列
DC-DC Converters non-isolated Series

产品系列 Series	功率 Power (W)	输入电压 Input voltage (V)	输出电压 Output voltage (V)	隔离电压 Isolation (V)	封装形式 Package	输出调整 Output regulation	尺寸 Dimensions (mm)	产品图片 Product view
TP78XX-0.5	/	12, 24	1.5, 1.8, 2.5, 3.3, 5.0, 6.5, 9.0, 12, 15	0	SIP	Regulated/ SC protection	10.5*11.6*7.5	
TP78XX-1	/	12	1.5, 1.8, 2.5, 3.3, 5.0	0	SIP	Regulated/ SC protection	10.5*11.6*7.5	
TP78LXX-1	/	12, 24	1.5, 1.8, 2.5, 3.3, 5.0, 6.5, 9.0, 12, 15	0	SIP	Regulated/ SC protection	17.5*11.5*9.0	
TP78LXX-1.5	/	12	1.5, 1.8, 2.5, 3.3, 5.0, 6.5	0	SIP	Regulated/ SC protection	17.5*11.5*9.0	
TP78XX-2	/	12	1.5, 1.8, 2.5, 3.3, 5.0, 6.5	0	SIP	Regulated/ SC protection	17.5*11.5*9.0	

AC-DC 电源模块
AC-DC Converters

产品系列 Series	功率 Power (W)	输入电压 Input voltage (V)	输出电压 Output voltage (V)	隔离电压 Isolation (V)	封装形式 Package	输出调整 Output regulation	尺寸 Dimensions (mm)	产品图片 Product view
TP03AA	3	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	37.0*18.5*16.5	
TP03AC	3	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	37.0*18.5*16.5	
TP03AR	3	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	48.5*36*20.5	
TP05AR	5	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	48.5*36*20.5	
TP05AS	5	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	55*45*20.5	
TP10AS	10	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	55*45*20.5	
TP10AT	10	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	62*45*22.5	
TP15AT	15	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	62*45*22.5	
TP20AU	20	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	70*48*23.5	
TP25AU~30AU	25/30	220 (2:1) 165-265 220 (4:1) 85-265	5, 12, 15, 24 ±5, ±12, ±15, ±24	2500	DIP	Regulated/ SC protection	70*48*23.5	

广州顶源电子科技有限公司

Guangzhou Top Power Electronics Technology Limited

广州顶源是研发、生产、销售DC-DC, AC-DC电源模块的专业厂家。提供0.1-40W电源模块产品, 致力于在微功率方面提供专业化的产品及服务, 拥有70多个系列, 几千种成熟稳定产品供选择。所生产的电源模块已广泛应用于工业控制、电力、电子、仪器仪表、医疗、轨道交通、通讯通信、安防、军工体系等领域。

Guangzhou Top Power Electronics Technology Limited is a professional manufacturing-enterprise of DC-DC converters. We focus on the research, production and marketing of miniature DC-DC converters. The products meet RoHS requirements and cover over 70 series with thousands of variants from 0.1 to 40W for your choice. Our products have been used in many fields, such as industrial control system, power system, apparatuses and instruments, medical facilities, rail-transit system, telecommunication equipment, security and protection equipment and military industrial system.



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Choosing TOPPOWER, Choosing high-quality DC-DC/AC-DC Converters

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电源模块

DC-DC Converters
AC-DC Converters





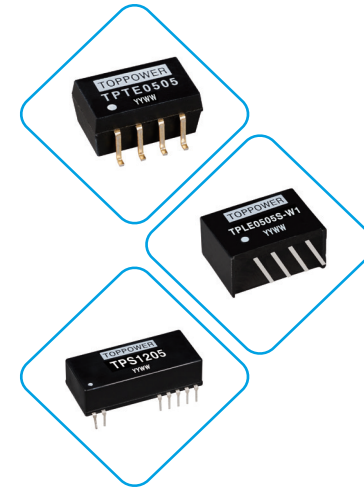
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Guangzhou Top Power Electronics Technology Limited



电源模块产品介绍

DC-DC/AC-DC Converters Products overview



■ DC-DC电源模块
DC-DC Converters

功率0.1~40W, 有单路输出、正负双路输出、双隔离双输出等多种形式, 隔离电压包括1000V、1500V、3000V、6000V、10000V。有SIP、DIP、SMD多种封装选择。效率高、体积小、纹波小。国际标准引脚方式。

Power rang from 0.1W to 40W. Various output types are available: Single output, Dual bipolar output and Dual isolated output etc. Isolation Voltage: 1000V、1500V、3000V、6000V、10000V. Package types: SIP、DIP、SMD. Featured by high efficiency, miniature design, low ripple. Industry standard footprint & pinouts.



■ AC-DC电源模块
AC-DC Converters

功率3~30W, 交直两用, 单、双、三路输出三种形式, 2:1及4:1的宽输入电压范围: 165~265V, 85~265V。隔离电压2500VAC。输出短路、过流、过温保护, 纹波噪声低, 抗干扰能力强, 高可靠性、高精度、更安全、更稳定, 大功率密度, 超小体积, 无需外加散热器。

Power rang from 3W to 30W. Three output modes: Single output, Dual output and Triple output. 2:1 and 4:1 wide input voltage range: 165~265V, 85~265V. Isolation voltage: 2500VAC. Short circuit protection, Over-current protection, overheat protection. Feature by low ripple noise, great anti-interference, high reliability, high precision. Much safety, more stable, large power density, ultra-small size. No external heat sink required.



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TPTE-W2	0.25	3.3, 5, 12	3.3, 5, 9, 12, 15	1000	SMD	Un-regulated	12.7*7.7*6.1	
TPTV-W2	0.25	3.3, 5, 12, 24	±5, ±9, ±12, ±15 / 3.3, 5, 9, 12, 15	3000	SMD	Un-regulated	15.24*7.7*6.1	
TPTE	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15	1000	SMD	Un-regulated	12.7*7.7*6.1	
TPTA-A	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15	1000	SMD	Un-regulated	15.24*7.7*6.1	
TPTA	1	3.3, 5, 12, 15, 24	±3.3, ±5, ±9, ±12, ±15	1000	SMD	Un-regulated	15.24*7.7*6.1	
TPTV	1	3.3, 5, 12, 24	±5, ±9, ±12, ±15 / 3.3, 5, 9, 12, 15	3000	SMD	Un-regulated	15.24*7.7*6.1	
TPLE-W1	0.1	3.3, 5, 12	3.3, 5, 9, 12, 15	1000	SIP/DIP	Un-regulated	SIP:11.48*6.0*10.0 DIP:11.50*9.8*6.8	
TPLE	0.25	3.3, 5, 12, 24	3.3, 5, 9, 12, 15	1000	SIP/DIP	Un-regulated	SIP:11.48*6.0*10.0 DIP:11.50*9.8*6.8	
TPR-W25	0.25	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	3000	SIP	Un-regulated	19.5*6.0*10.0	
TPV-W25	0.25	5, 12	5, 9, 12, 15	3000	SIP	Un-regulated	19.50*6.0*10.0	
TPD-W5	0.5	5, 12	3.3, 5, 9, 12, 15	3000 (in/out, out/out)	SIP/DIP	Un-regulated	SIP:19.50*6.0*10.0 DIP:19.50*9.8*6.8	
TPLE-W5	0.5	3.3, 5, 12	3.3, 5, 9, 12, 15	1000	SIP/DIP	Un-regulated	SIP:11.48*6.0*10.0 DIP:11.50*9.8*6.8	
TPR-W5	0.5	5, 12, 15, 24	5, 12, 15	3000	SIP	Un-regulated	19.5*6.0*10.0	
TPV-W5	0.5	3.3, 5, 12, 15, 24, 48	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15	3000	SIP/DIP	Un-regulated	SIP:19.50*6.0*10.0 DIP:19.50*9.8*6.8	
TKA-A	1	3.3, 5, 12, 24	3.3, 5, 9, 12, 15, 24	3000	SIP/DIP	Un-regulated	SIP:16.55*5.95*7.55 DIP:19.50*9.8*5.4	

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产品系列 Series	功率 Power (W)	输入电压 Input voltage (V)	输出电压 Output voltage (V)	隔离电压 Isolation (V)	封装形式 Package	输出调整 Output regulation	尺寸 Dimensions (mm)	产品图片 Product view
TKA	1	3.3, 5, 12, 24	±3.3, ±5, ±9, ±12, ±15, ±24	3000	SIP/DIP	Un-regulated	SIP:16.55*5.95*7.55 DIP:19.50*9.8*5.4	
TPA	1	3.3, 5, 12, 15, 24, 48	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15, ±24	3000	SIP/DIP	Un-regulated	SIP:19.50*6.0*10.0 DIP:19.50*9.8*6.8	
TPNA	1	5, 12, 15, 24, 48	±5, ±9, ±12, ±15	3000	SIP	Un-regulated	19.5*6.0*10.0	
TPD	1	5, 12, 24	3.3, 5, 9, 12, 15	3000 (in/out, out/out)	SIP/DIP	Un-regulated	SIP:11.48*6.0*10.0 DIP:11.50*9.8*6.8	
TPE	1	3.3, 5, 12, 15, 24, 48	3.3, 5, 9, 12, 15, 24	1000 2000	SIP/DIP	Un-regulated	SIP:11.48*6.00*7.46 DIP:11.50*9.8*5.4	
TKE	1	3.3, 5, 12, 24	3.3, 5, 9, 12, 15	1000 3000	SIP/DIP	Un-regulated	SIP:11.48*6.00*7.46 DIP:11.50*9.8*5.4	
TPJ	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15	6000	SIP	Un-regulated	19.5*9.8*12.5	
TPR-1W	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	3000	SIP	Un-regulated	19.5*6.0*10.0	
TPV	1	3.3, 5, 9, 12, 15, 24, 48	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15	3000	SIP/DIP	Un-regulated	SIP:19.50*6.0*10.0 DIP:19.50*9.8*6.8	
TPB-1W	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	3000	SIP	Regulated/SC protection	19.5*6.0*10.0	
TPF	1	5, 12, 24, 48	5, 9, 12, 15	3000	SIP/DIP	Regulated/SC protection	SIP:19.50*6.0*10.0 DIP:19.50*9.8*6.8	
TPI	1	5, 12, 24	±5, ±9, ±12, ±15	3000	SIP	Regulated/SC protection	27.5*12*9.5	
TP2L-1W	1	5 (2:1) 4.5-9 12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15, ±24	1000 3000	SIP	Regulated/SC protection	21.8*9.2*11.1	
TPD-2W	2	5, 12, 24	3.3, 5, 9, 12, 15	3000 (in/out, out/out)	SIP/DIP	Un-regulated	SIP:19.50*6.0*10.0 DIP:19.50*9.8*6.8	
TPG	2	3.3, 5, 12, 15, 24, 48	3.3, 5, 9, 12, 15, 24	3000	SIP	Un-regulated	19.50*7.5*10.0	
TPH	2	3.3, 5, 12, 15, 24, 48	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15, ±24	3000	SIP/DIP	Un-regulated	SIP:19.50*7.5*10.0 DIP:19.50*9.8*7.7	

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TPJ-2W	2	3.3, 5, 12, 24	3.3, 5, 9, 12, 15 ±5, ±9, ±12, ±15	6000	SIP	Un-regulated	19.5*9.8*12.5	
TPK	2	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15, ±24	3000	SIP	Un-regulated	19.50*7.5*10.0	
TPL	2	5, 12	3.3, 5, 9, 12, 15	1000	SIP	Un-regulated	14.0*7.5*10.0	
TPS	2	5, 12, 15, 24	5, 9, 12, 15, ±5, ±9, ±12, ±15	6000 10000	DIP	Un-regulated	32.6*14.72*9.4	
TPB	2	5, 12, 15, 24	5, 12, 15	3000	SIP	Regulated/SC protection	19.5*7.5*10	
TPI-2W	2	5, 12, 24	±5, ±9, ±12, ±15	3000	SIP	Regulated/SC protection	27.5*12*9.5	
TP2L	2	5 (2:1) 4.5-9 12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	3.3, 5, 9, 12, 15	1000	SIP	Regulated/SC protection	21.8*9.2*11.1	
TPG-3W	3	3.3, 5, 12, 15, 24, 48	3.3, 5, 9, 12, 15, 24	3000	SIP	Un-regulated	19.5*7.5*10.0	
TPK-3W	3	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15, ±24	3000	SIP	Un-regulated	19.50*7.5*10.0	
TPL-3W	3	5, 12	3.3, 5, 9, 12, 15	1000	SIP	Un-regulated	21.8*7.5*11.1	
TPT	3	4, 5, 12	Triple outputs (-24V, -48V & -72V)	1000	SIP	Un-regulated	21.8*7.5*11.1	
TPD-3W	3	5 (2:1) 4.5-9 12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	5, 9, 12, 15, 24	1500 (in/out, out/out)	DIP	Un-regulated	31.8*20.3*10	
TP2D	3	5 (2:1) 4.5-9 12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	±3.3, ±5, ±12, ±15	1000	DIP	Regulated/SC protection	32.26*14.66*7.0	
TP2L-3W	3	12(2:1)9-18 24(2:1)18-36 48(2:1)36-72	3.3, 5, 9, 12, 15, 24/±5, ±9, ±12, ±15	1000 3000	SIP	Regulated/SC protection	21.8*9.2*11.1	
TP2S	3	5 (2:1) 4.5-9 12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	3.3, 5, 12, 15	1000	DIP	Regulated/SC protection	32.26*14.66*7.0	
TP2Y	3	5 (2:1) 4.5-9 12 (2:1) 9-18 24 (2:1) 18-36 48 (2:1) 36-72	3.3, 5, 9, 12, 15	1000	DIP	Regulated/SC protection	32.26*14.66*7.0	