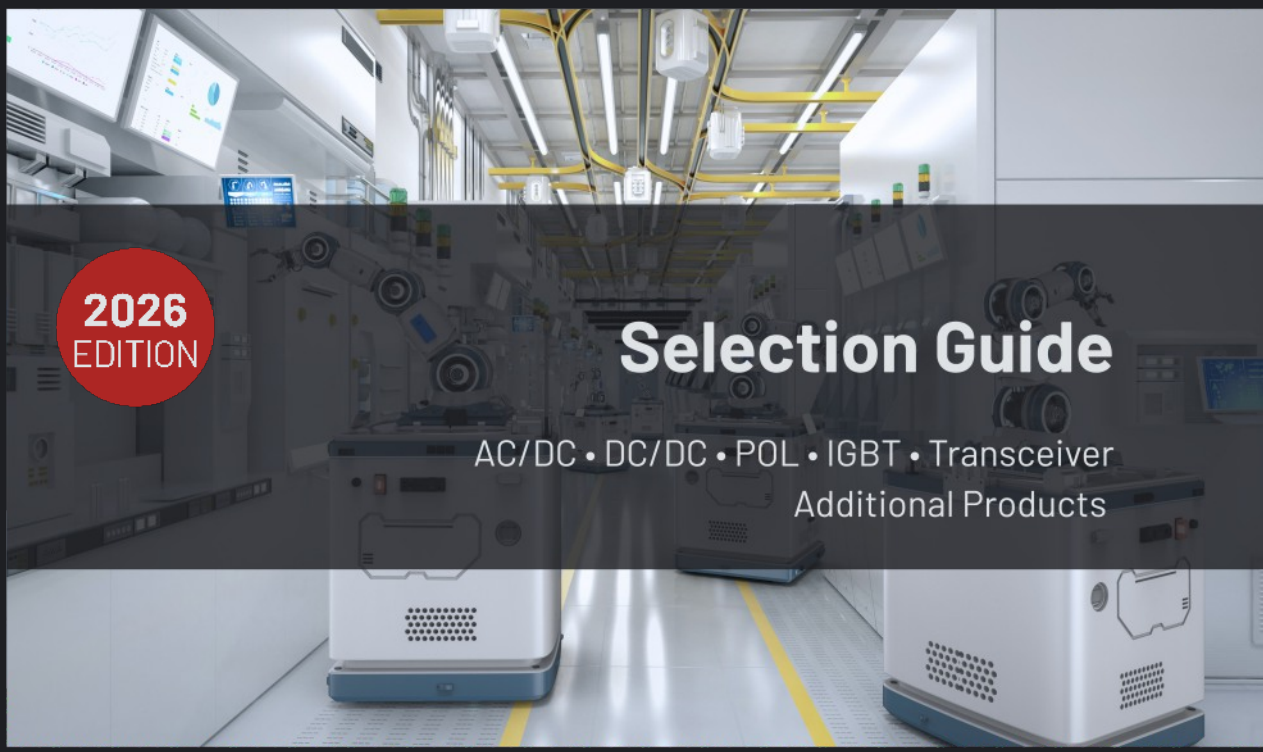
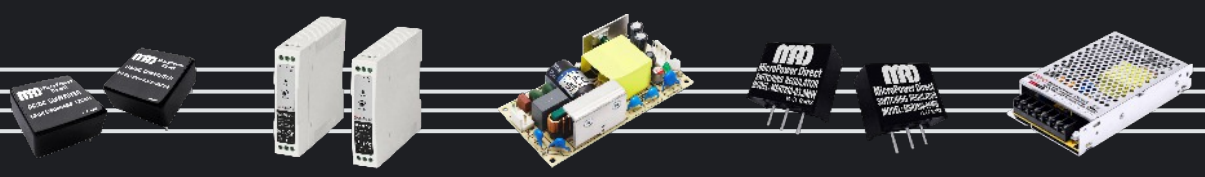
CompuMess Elektronik GmbH

Lise-Meitner-Straße 4
85716 Unterschleißheim
Tel. +49 89 321501-0

Fax +49 89 321501-11
info@compumess.de
www.compumess.de

MICROPOWER DIRECT





www.micropowerdirect.com

About MicroPower Direct

Since 1999, MicroPower Direct has been a trusted supplier of power conversion and electronic control solutions for OEMs worldwide. Our broad and growing portfolio spans power supplies, converters, drivers, and electronic control solutions designed for demanding applications.

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From design-in through production, customers rely on MPD for reliable products, responsive support, and dependable supply.

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Unregulated Fixed Input (0.25-2W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation (VDC)	Package	Dimension (in)
ME02S(I)	0.25W	3.3, 5, 12, 15, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24	1000/3000	4-SIP	0.457 × 0.236 × 0.400
MH02S(I)	0.25W	3.3, 5, 12, 15, 24	3.3, 5, 7, 9, 12, 15, 18, 24	1000/3000	8-DIP	0.500 × 0.400 × 0.270
ME05S(I)	0.50W	3.3, 5, 12, 15, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24	1000/3000	4-SIP	0.457 × 0.236 × 0.400
MH05S(I)	0.50W	3.3, 5, 12, 15, 24	3.3, 5, 7, 9, 12, 15, 18, 24	1000/3000	8-DIP	0.500 × 0.400 × 0.270
ME100C	1W	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1500	4-SIP	0.457 × 0.236 × 0.400
ME100S(I)	1W	3.3, 5, 12, 15, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24	1000/3000	4-SIP	0.457 × 0.236 × 0.400
MD100C(I)	1W	5, 12, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	1500/3000	7-SIP	0.774 × 0.236 × 0.400
MD100(I)	1W	3.3, 5, 12, 15, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24, ±3, ±5,, ±9, ±12, ±15, ±18, ±24	1000	7-SIP	0.774 × 0.236 × 0.400
MD100CHI	1W	5, 12, 15, 24	3.3, 5, 6, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15	6000	7-SIP	0.768 × 0.386 × 0.492
MD100CRL	1W	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1500	7-SIP	0.774 × 0.236 × 0.400
MD100T(I)	1W	5, 12, 24	5, 12, 15, ±5, ±12, ±15	3000	7-SIP	0.774 × 0.236 × 0.400
MD100MHI	1W	5, 12	5, 12, 15, ±5, ±12, ±15	3000	7-SIP	0.870 × 0.300 × 0.490
ML100SC(I)	1W	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1500/3000	SMD	0.520 × 0.449 × 0.285
ML100DC(I)	1W	3.3, 5, 12, 15, 24	±3.3, ±5, ±9, ±12, ±15, ±24	1500/3000	SMD	0.520 × 0.449 × 0.285
ML100(I)	1W	5, 12, 24	3.3, 5, 12, 15, ±5, ±12, ±15	3000	SMD	0.540 × 0.330 × 0.270
LF100C	1W	5	3.3, 5, 9, 12, 15	1500	SMD	0.520 × 0.449 × 0.285
MG100(I)	1W	3.3, 5, 12, 15, 24	3.3, 5, 7, 9, 12, 15, 18, 24, ±3, ±5, ±7, ±9, ±12, ±15, ±18, ±24	1000/6000	14-DIP	0.800 × 0.400 × 0.207
MH100S(I)	1W	3.3, 5, 12, 15, 24	3.3, 5, 7, 9, 12, 15, 18, 24	1000/6000	7-DIP	0.500 × 0.400 × 0.270
MH100CI	1W	5, 12, 24	3.3, 5, 9, 12, 15, 24	3000	7-DIP	0.500 × 0.400 × 0.323
ME200S(I)	2W	5, 12, 15, 24	3.3, 5, 7.2, 9, 12, 15, 24	1000/3000	4-SIP	0.457 × 0.236 × 0.400
MD200C(I)	2W	5, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	1500/3000	7-SIP	0.768 × 0.278 × 0.400
MD200CHI	2W	12, 15, 24	5, 9, 12, 15, 24, ±5, ±9, ±12, ±15	6000	7-SIP	0.768 × 0.386 × 0.492
MD200(I)	2W	3.3, 5, 12, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24	1000/6000	7-SIP	See Datasheet
ML200C(I)	2W	5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1500/3000	SMD	0.520 × 0.449 × 0.285
MI200	2W	5, 12, 24	3.3, 5, 12, ±5, ±12, ±15	1500	SMD	0.540 × 0.370 × 0.350
MG200CI	2W	5	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	3000	14-DIP	0.800 × 0.400 × 0.323
MG200(I)	2W	3.3, 5, 12, 15, 18, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24, ±3.3, ±5, ±9, ±12, ±15, ±18, ±24	1000/6000	14-DIP	0.800 × 0.400 × 0.270

Regulated Fixed Input (0.75-3W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation (VDC)	Package	Dimension (in)
ME075CR	0.75W	5, 12, 24	3.3, 5, 9, 12, 15	1500	4-SIP	0.457 × 0.236 × 0.400
ML100CR(I)	1W	5, 12, 15, 24	5, 12, 15	1500/3000	SMD	0.600 × 0.449 × 0.285
MD100CR(I)	1W	5, 12, 24	3.3, 5, 9, 12, 15, 24	1500/3000	7-SIP	0.774 × 0.236 × 0.400
MA300R	3W	5, 12, 24	5, 12, 15, ±12, ±15	1500	24-DIP	1.250 × 0.800 × 0.400
MD300R(I)	3W	5, 12, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24	1000/5200	7-SIP	1.260 × 0.320 × 0.570



2:1 Wide Input (1-50W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation (VDC)	Package	Dimension (in)
ML100RW	1W	4.5–9, 9–18, 18–36, 36–75	5, 12, 15, ±12, ±15	1500	SMD	0.740 x 0.540 x 0.340
MD100CRW(I)	1W	4.5–9, 9–18, 18–36, 36–75	3.3, 5, 9, 12, 15, 24	1500/3000	7-SIP	0.866 × 0.374 × 0.472
MD200RW(I)	2W	4.5–9, 9–18, 18–36, 36–75	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	1500/3000	7-SIP	0.860 x 0.360 x 0.440
MH200RW	2W	4.5–9, 9–18, 18–36, 36–75	3.3, 5, 12, 15, ±5, ±12, ±15	1500	7-DIP	0.550 x 0.550 x 0.310
MA300RW(I)	3W	4.5–9, 9–18, 18–36, 36–75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	1500/3000	24-DIP	1.250 x 0.800 x 0.400
MA300CRW(I)	3W	4.5–9, 9–18, 18–36	5, 12, 15, 24, ±5, ±9, ±12, ±15	1500/3000	24-DIP	1.260 × 0.787 × 0.425
MA300CRWHI	3W	4.5–9, 9–18, 18–36	±5, ±12, ±15	6200	24-DIP	1.244 × 0.799 × 0.402
MD300CRW(I)	3W	4.5–9, 9–18, 18–36, 36–75	3.3, 5, 6, 9, 12, 15, 24, ±5, ±9, ±12, ±15, ±24	1500/3000	7-SIP	0.866 × 0.374 × 0.472
MD300RW	3W	4.5–9, 9–18, 18–36, 36–75	3.3, 5, 12, 15, ±5, ±9, ±12, ±15	1600	7-SIP	0.860 x 0.360 x 0.440
ML300CRW	3W	9–18, 18–36	3.3, 5, 12, 15, 24, ±5, ±9, ±12, ±15	1500	SMD	0.591 × 0.551 × 0.358
MLD300CRW	3W	9–18, 18–36	3.3, 5, 12, 15, 24, ±5, ±9, ±12, ±15	1500	DIP	0.551 × 0.551 × 0.354
MH300RW	3W	4.5–9, 9–18, 18–36, 36–75	3.3, 5, 12, 15, ±5, ±12, ±15	1500	7-DIP	0.550 x 0.550 x 0.310
MD600RW(I)	6W	4.5–9, 9–18, 18–36, 36–75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1500/3000	7-SIP	0.860 x 0.360 x 0.440
MD600CRW	6W	9–18, 18–36	3.3, 5, 9, 12, 15, 24	1600	7-SIP	0.866 × 0.374 × 0.472
MA600RW	6W	9–18, 18–36, 36–75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	1500	24-DIP	1.250 x 0.800 x 0.400
MA600CRW	6W	9–18, 18–36	±5, ±12, ±15	1500	24-DIP	1.260 × 0.787 × 0.425
MI600CRW	6W	4.5–9	±5, ±12, ±15, ±24	1500	DIP	1.000 × 1.000 × 0.461
MA800RW	8W	9–18, 18–36, 36–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	24-DIP	1.250 x 0.800 x 0.400
MG800RW	8W	9–18, 18–36, 36–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	14-DIP	0.940 x 0.540 x 0.310
MD900RW	9W	18–36, 36–75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1600	7-SIP	0.860 x 0.380 x 0.420
MD1000CRW	10W	9–18, 18–36	3.3, 5, 9, 12, 15, 24	1500	7-SIP	0.866 × 0.374 × 0.472
MA1000RW	10W	9–18, 18–36, 36–75	2.5, 3.3, 5, 12, 15, ±12, ±15	1500	24-DIP	1.244 × 0.799 × 0.402
MA1000CRW	10W	9–18, 18–36	3.3, 5, 9, 12, 15, 24	1500	24-DIP	1.260 × 0.787 × 0.425
MG1000RW	10W	9–18, 18–36, 36–75	3.3, 5, 12, 15, ±5, ±12, ±15	1500	14-DIP	0.940 x 0.540 x 0.310
MI1000RW	10W	9–18, 18–36, 36–75	3.3, 5, 12, 15, ±5, ±12, ±15	1500	DIP	1.000 × 1.000 × 0.461
MI1000CRW	10W	18–36	3.3, 5, 12, 15, 24	1500	DIP	1.000 × 1.000 × 0.461
MI1000CRW	10W	9–18	3.3, 5, 12, 15, 24	1500	DIP	1.000 × 1.000 × 0.461
MA1200RW	12W	9–18, 18–36, 36–75	2.5, 3.3, 5, 12, 15, ±12, ±15	1600	24-DIP	1.250 x 0.800 x 0.400
MA1500RW	15W	9–18, 18–36, 36–75	3.3, 5, 12, 15, ±5, ±12, ±15	1600	24-DIP	1.250 x 0.800 x 0.400
MI1500RW	15W	9–18, 18–36, 36–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	DIP	1.000 × 1.000 × 0.461
MI1500CRW	15W	18–36	3.3, 5, 12, 15, 24	1500	DIP	1.000 × 1.000 × 0.461
MB1500CRW	15W	9–18	3.3, 5, 9, 12, 15, 24	1500	DIP	2.000 × 1.000 × 0.465
MI2500RW	25W	9–18, 18–36, 36–75	3.3, 5, 12, 15, ±12, ±15	1500	DIP	1.000 × 1.000 × 0.461
MB3000CRW	30W	18–36	3.3, 5, 9, 12, 15, 24	1500	DIP	2.000 × 1.000 × 0.465
MI3000RW	30W	9–18, 18–36, 36–75	3.3, 5, 12, 15, ±12, ±15	1600	DIP	1.000 × 1.000 × 0.461
MB4000RW	40W	9–18, 18–36, 36–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	DIP	2.000 x 1.000 x 0.400
MB4000CRW	40W	18–36	5, 12, 15, 24	1500	DIP	2.024 × 1.031 × 0.650
MB5000CRW	50W	18–36, 36–75	3.3, 5, 12, 15, 24	1500	DIP	2.000 × 1.000 × 0.465
MB5000RW	50W	9–18, 18–36, 36–75	3.3, 5, 12, 15, 24	1500	DIP	2.000 x 1.000 x 0.400

4:1 Wide Input (2-400W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation (VDC)	Package	Dimension (in)
MD200RU	2W	4.5–18, 9–36, 18–75	3.3, 5, 12, 15, ±5, ±12, ±15	1500	7-SIP	0.860 × 0.370 × 0.440
ME300RU	3W	4.5–18, 9–36, 18–75	3.3, 5, 12, 15, ±5, ±12, ±15	1600	4-SIP	0.690 x 0.400 x 0.480
ML300RU	3W	4.5–12, 9–36, 18–75	5, 12, 15, 24, ±12, ±15	1500	SMD	0.750 x 0.590 x 0.380
ML300CRU	3W	9–36, 18–75	3.3, 5, 9, 12, 15, 24	1500	SMD	0.756 × 0.713 × 0.400
MA300RU(I)	3W	9–36, 18–75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	1500/3000	24-DIP	1.244 × 0.799 × 0.402
ML600RU	6W	9–36, 18–75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	1500	SMD	0.870 x 0.800 x 0.390
MD600RU(I)	6W	9–36, 18–75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1500/3000	7-SIP	0.860 × 0.370 × 0.440
MD600CRU	6W	9–36, 18–75	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15, ±24	1500/1600	7-SIP	0.866 × 0.374 × 0.472
MA600RU(I)	6W	9–36, 18–75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	1500/3000	24-DIP	1.244 × 0.799 × 0.402
MA600CRU(I)	6W	9–36	3.3, 5, 9, 12, 15, 24, 25, ±5, ±12, ±15	1500/3000	24-DIP	1.244 × 0.799 × 0.402
MA600CRUHI	6W	9–36, 18–75	5, 6, 9, 12, 15, 18, 24	6000	24-DIP	1.244 × 0.799 × 0.402
MG600RU	6W	9–36, 18–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	14-DIP	0.940 x 0.540 x 0.310
MH600RU	6W	9–36, 18–75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	1500	DIP	0.850 x 0.800 x 0.400
MI600CRU(I)	6W	9–36, 18–75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15, ±24	1500/3000	16DIP	1.000 × 1.000 × 0.461
MA800RU	8W	9–36, 18–75	3.3, 5, 12, 15, ±5, ±12, ±15	1600	24-DIP	1.244 × 0.799 × 0.402
MG800RU	8W	9–36, 18–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	14-DIP	0.940 x 0.540 x 0.310
MD900RU	9W	4.5–18, 9–36, 18–75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1600	7-SIP	0.860 x 0.380 x 0.420
MA1000RU	10W	9–36, 18–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	24-DIP	1.244 × 0.799 × 0.402
MD1000CRU	10W	9–36	3.3, 5, 9, 12, 15, 24	1500	7-SIP	0.866 × 0.374 × 0.472
MG1000RU	10W	9–36, 18–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	14-DIP	0.940 x 0.540 x 0.310
MP1000CRU(I)	10W	9–36, 18–75	3.3, 5, 9, 12, 15, 24	1500/3000	DIP	2.028 × 1.043 × 0.472
MP1000CRUI5	10W	9–36	5, 12	6000	DIP	2.028 × 1.043 × 0.472
MI1000CRU	10W	9–36, 18–75	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15, ±24	1500	DIP	1.000 × 1.000 × 0.461
MA1200RU	12W	9–36, 18–75	3.3, 5, 12, 15, ±5, ±12, ±15	1600	24-DIP	1.244 × 0.799 × 0.402
MG1200RU	12W	9–36, 18–75	5, 5.1, 12, 15, 24, ±12, ±15	1500	14-DIP	0.940 x 0.540 x 0.310
MA1500RU	15W	9–36, 18–75	3.3, 5.1, 12, 15, ±5, ±12, ±15	1600	24-DIP	1.244 × 0.799 × 0.402
MG1500RU	15W	9–36, 18–75	5, 12, 15, 24, ±12, ±15	15001	14-DIP	0.940 x 0.540 x 0.400
MI1500CRU	15W	9–36, 18–75	3.3, 5, 12, 15, 24, ±5, ±12, ±15, ±24	500	DIP	1.000 × 1.000 × 0.461
MP2000CRUI	20W	9–36, 18–75	3.3, 5, 9, 12, 15, 24	3000	DIP	2.028 × 1.043 × 0.472
MP2000CRUI5	20W	9–36	3.3, 5, 12, 15, 24	5000	DIP	2.028 × 1.043 × 0.472
MI2000CRU	20W	9–36, 18–75	3.3, 5, 6, 12, 15, 24, ±5, ±12, ±15, ±24	1500	DIP	1.000 × 1.000 × 0.461
MB2000CRU	20W	9–36, 18–75	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15	1500	DIP	2.000 × 1.000 × 0.465
MI2500RU	25W	9–36, 18–75	3.3, 5, 12, 15, ±12, ±15	1500	DIP	1.000 × 1.000 × 0.461
MI3000RU	30W	9–36, 18–75	3.3, 5, 12, 15, ±12, ±15	1600	DIP	1.000 × 1.000 × 0.461
MI3000CRU	30W	18–75	5, 12, 15, 24	1500	DIP	1.000 × 1.000 × 0.461
MB3000CRU	30W	9–36, 18–75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15, ±24	1500	DIP	2.000 × 1.000 × 0.465

4:1 Wide Input (2-400W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation (VDC)	Package	Dimension (in)
MI4000CRU	40W	9–36, 18–75	3.3, 5, 12, 15, 24, 28	1500	DIP	1.000 × 1.000 × 0.461
MB4000RU	40W	9–18, 18–36, 36–75	3.3, 5, 12, 15, 24, ±12, ±15	1500	DIP	2.000 × 1.000 × 0.465
MB4000CRU	40W	9–36, 18–75	5, 12, 15, 24	1500	DIP	2.000 × 1.000 × 0.465
MB5000RU	50W	9–36, 18–75	3.3, 5, 12, 15, 24	1500	DIP	2.000 × 1.000 × 0.465
MB5000CRU	50W	9–36	12, 24	1500	DIP	2.000 × 1.000 × 0.465
MB6000RU	60W	9–36, 18–75	5, 12, 15, ±12, ±15	1500	DIP	2.000 × 1.000 × 0.465
MB6000CRU(I)	60W	9–36, 18–75	5, 12, 15, 24, 28	1500/3000	DIP	2.000 × 1.000 × 0.465
MQB7500CRUI	75W	18–75	5, 12, 15, 24, 48	2250	DIP	2.433 × 1.583 × 0.500
MQB10000CRUI	100W	9–36, 18–75	5, 12, 15, 24, 48	2250	QB	2.433 × 1.583 × 0.500
MQB15000CRUI	150W	9–36, 18–75	5, 12, 15, 24, 48	2250	QB	2.433 × 1.583 × 0.500
MQB20000CRUI	200W	18–75	5, 12, 15, 24, 36, 48	2250	QB	2.433 × 1.583 × 0.500
MHB400SRU	400W	9–40	12, 15, 24, 28, 48	2250	HB	2.443 × 2.280 × 0.575





8:1 Wide Input (1-3W)

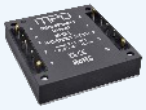
Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation (VDC)	Package	Dimension (in)
MD100CRVI	1W	4.5–36	5, 9, 12, 15	3000	SIP	0.866 × 0.374 × 0.472
MD300CRVI	3W	4.5–36	5, 12, 15, ±5, ±12, ±15	3000	SIP	0.866 × 0.374 × 0.472



Railway Application (6-400W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Package	Dimension (in)
MIR600CRU	6W	40-160	5,12,15,24	2250VDC	DIP	1.000 × 1.000 × 0.461
MIR1000CRUI	10W	40-160	3.3,5,12,15,243	3000VAC	DIP	1.000 × 1.000 × 0.461
MBR1000CRU	10W	40-160	.3,5,12,15,24	2250VDC	DIP	2.000 × 1.000 × 0.465
MBR2000CRU	20W	40-160	3.3,5,12,15,24	2250VDC	DIP	2.000 × 1.000 × 0.465
MBR2000CMRU	20W	40-160	3.3,5,12,15,24	2250VDC	DIP	2.000 × 1.000 × 0.465
MBR2000CRUI	20W	40-160	±12,±15,±24	3000VDC	DIP	2.000 × 1.000 × 0.465
MBR4000CRUI	40W	40-160	3.3,5,12,15,24,48	3000VDC	DIP	2.000 × 1.000 × 0.465
MQBR5000CRUI	50W	43-160	3.3,5,12,15,24,48	3000VAC	DIP	2.394 × 1.181 × 0.500
MR50SRW	50W	43-160	5,12,15,24	3000VAC	QB	2.280 × 1.450 × 0.500
MQBR7500CRUI	75W	43-160	3.3,5,12,15,24,48	3000VAC	DIP	2.394 × 1.181 × 0.500
MR75SRW	75W	43-160	5,12,15,24	3000VAC	QB	2.280 × 1.450 × 0.500
MQBR1000CRUI	100W	43-160	3.3,5,12,15,24,48	3000VAC	DIP	2.394 × 1.181 × 0.500
MHBR1500CRUI	150W	43-160	5,12,15,24,48	3000VAC	DIP	2.402 × 2.283 × 0.543
MHBR2500CRUI	250W	40-160	5,12,15,24,48,54	3000VAC	DIP	2.402 × 2.283 × 0.543
MHBR2500CRUI	250W	43-160	5,12,15,24,48,54	3000VAC	Enclosed	6.496 × 3.071 × 1.969
MFBR4000CRUI	400W	66-160	24,48	3000VAC	DIP	4.591 × 2.402 × 0.512







Telecom Industry (30-1300W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Package	Dimension (in)
MTL3000CSB	30W	36-75	3.3,5,12,24,28	2250VDC	DIP	1.30 × 0.90 × 0.32
MTL5000CSB	50W	36-75	5,12	1500VDC	DIP	1.30 × 0.90 × 0.50
MTL6000CTBI	60W	36-75	3.3,5,12	2250VDC	DIP	0.92 × 0.75 × 0.50
MTL7500CSB	75W	36-75	5,12,28	1500VDC	DIP	1.30 × 0.90 × 0.50
MTL7500CEBI	75W	36-75	3.3,5,12,24,28,48	2250VDC	DIP	2.30 × 0.90 × 0.50
MTL10000CSB	100W	36-75	5,12,15,28	1500VDC	DIP	1.30 × 0.90 × 0.38
MTL12000CEBI	120W	36-75	5,12,24,28,48	2250VDC	DIP	2.30 × 0.90 × 0.50
MTL15000CEBI	150W	36-75	5,12,24,28,48	2250VDC	DIP	2.30 × 0.90 × 0.38
MTL15000CSBI	150W	36-75	12,15	2250VDC	DIP	1.30 × 0.90 × 0.49
MTL20000CSBI	200W	36-75	12,15	2250VDC	DIP	1.30 × 0.90 × 0.49
MTL24000CEB	240W	36-75	10.8,12,24,28	1500VDC	DIP	2.30 × 0.90 × 0.52
MTL30000CEBI	300W	36-75	12,15,24,28,48	2250VDC	DIP	2.30 × 0.90 × 0.42
MTL40000CQBI	400W	36-75	12,15,24,28	2250VDC	DIP	2.28 × 1.45 × 0.51
MTL80000CQB	800W	40-60	10.8,12	1500VDC	DIP	2.30 × 1.45 × 0.56
MTL80000CHBI	800W	36-75	50 (25-55)	2250VDC	DIP	2.40 × 2.28 × 0.50
MTL130000CHBI	1300W	36-75	50 (25-55)	2250VDC	DIP	2.40 × 2.28 × 0.50
MTL130000CQB	1300W	45-60	10.8,12	1500VDC	DIP	2.30 × 1.45 × 0.56

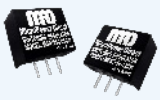




Non-isolated Switching Regulator (0.5-12A)

Series	Input Voltage Range	Output Voltage (VDC)	Output Current (mA)	Package	Dimension (mm)
MLSR050C	4.5-36	3.3,5,-5,6.5,-6.5, 9,-9,12,-12,15,-15	500/-150/-200/-300	DFN	0.354 × 0.276 × 0.122
MLSR100C	4.5-36	3.3,5,-5,6.5,-6.5, 9,-9,12,-12,15,-15	500/-150/-250/-300	DFN	0.354 × 0.276 × 0.122
MSR7805CW	4.75-36	3.3,5,-5,9, 12,-12, 15,-15	500/-300/-150	SIP	0.457 × 0.297 × 0.400
MSR7805CU	9-90	3.3,5,6.5, 9,12,15,24	500/300	SIP	0.453 × 0.354 × 0.689
MSR7805CWUP	4.5-36	3.3,5,-5, 12,-12, 15,-15	500/-300/-150	SIP	0.394 × 0.433 × 0.284
MSR7805M	4.75-34	1.5, 1.8, 2.5, 3.3, 5, 6.5, 7.2, 9, 12, 15	500	SIP	0.460 × 0.300 × 0.400
MSR7805H	9-72	3.3, 6, 6.5, 7.2, 9, 12, 15	500	SIP	0.460 × 0.300 × 0.400
MSR7810M	4.75-18	1.5, 1.8, 2.5, 3.3, 5	1000	SIP	0.460 × 0.300 × 0.400
MSR7810MW	7-28	3.3, 5	1000	SIP	0.460 × 0.300 × 0.400
MLSR100	3.5-36	1.2, 1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	1000	SMD	0.600 × 0.470 × 0.120
MSR7810CM	6-36	3.3,5,-5,6.5, 9,-9,12,-12,15,-15	1000/-300/-500	SIP	0.457 × 0.315 × 0.409
MSR7810CW	6-36	3.3,5,-5,6.5, 9,-9,12,-12,15,-15	1000/-300/-500	SIP	0.453 × 0.354 × 0.689
MSR7820CW	6-36	3.3,-3.3,5,-5,9,-9, 12,-12, 15,-15	2000/1000/800/600	SIP	0.453 × 0.354 × 0.689
MSR7830CW	8-36	3.3,5,6.5, 9,12,15	3000	SIP	1.266 × 0.585 × 0.356



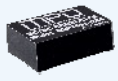




Non-isolated Buck-boost Module (10-20A)

Series	Input Voltage Range	Output Voltage (VDC)	Output Current (A)	Package	Dimension (mm)	
MSRB10CSD	48,72 (18-85)	5	10	DIP	2.394 × 0.984 × 0.500	
MSRB10CBB	48 (9-60)	0 - 60	12.5	DIP	2.394 × 0.984 × 0.500	
MSRB20CSD	48 (14.5-85)	5	20	DIP	2.394 × 0.984 × 0.500	

PV Application (15-3500W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	
MDP1515CP	15W	200-1500	5,12,15,24	4000VAC	DIP	3.504 × 2.500 × 0.984	
MDP1510CP	15W	100-1000	12,15,24	4000VAC	DIP	2.756 × 1.890 × 0.906	
MDP1520CP	15W	250-2200	12,24	5000VAC	DIP	3.504 × 2.500 × 0.984	
MDP2007CP	20W	60-750/80-745	12,24	4000VAC	DIP	2.756 × 1.575 × 1.181	
MDP4015CP	40W	250-1500	12,24,28,48	4000VAC	DIP	4.291 × 2.303 × 1.181	
MDP4015CDN	40W	250-1500	24	4000VAC	Din-Rail	4.010 × 1.430 × 3.600	
MDP4520CP	45W	250-2200	24	5000VAC	DIP	4.291 × 2.303 × 1.378	
MDP5010CE	50W	80-1000	12,24	4000VAC	Wired	5.276 × 2.276 × 1.457	
MDP5007CE	50W	80-750	12,24	4000VAC	Wired	4.291 × 2.303 × 1.181	
MDP7510CE	75W	80-1000	12,15,24	4000VAC	Wired	5.512 × 2.756 × 1.654	
MDP7515CDN	75W	250-1500	12,24,36,48	4000VAC	Din-Rail	4.016 × 2.165 × 3.602	
MDP12011CE	120W	200-1100	12,15,24,26,28,48	4000VAC	Wired	5.689 × 4.528 × 1.575	
MDP12008CDN	120W	80-850	12,24,48	4000VAC	Din-Rail	4.906 × 1.693 × 4.665	
MDP15015CE	150W	250-1500	12,24,28,32,48	4000VAC	Wired	6.732 × 2.756 × 1.654	
MDP15015CE2	150W	250-1500	12,24,28,32,36,48	4000VAC	Wired	5.512 × 2.756 × 1.654	
MDP15020CE	150W	250-2200	12,24,28,36,48	5000VAC	Wired	7.913 × 2.756 × 1.654	
MDP20010CE	200W	200-1000	12,15,24,26,48	4000VAC	Wired	6.614 × 4.783 × 1.673	
MDP20015CE	200W	250-15002	12,24,28,48	4000VAC	Wired	7.913 × 2.756 × 1.654	
MDP24008CDN	240W	50-850	24,48	4000VAC	Din-Rail	4.906 × 1.693 × 4.665	
MDP25015CDN	250W	250-1500	12,24	4000VAC	Din-Rail	4.921 × 1.890 × 5.394	
MDP30020CE	300W	500-2000	24	5000VAC	Chassis	8.465 × 4.921 × 1.969	
MDP35015CE	350W	300-1500	12,24,28,48	4000VAC	Wired	9.232 × 3.189 × 1.654	
MDP50015CE	500W	300-1500	12,24,28,48	4000VAC	Wired	9.331 × 3.937 × 1.614	
MDP50008CDN	504W	250-850	24,48	4000VAC	Din-Rail	3.150 × 4.724 × 5.000	
MDP100010CE	1000W	300-1000	24,48	4000VAC	Wired	11.496 × 8.858 × 2.283	
MDP120015CE	1200W	300-1500	12,24,36,48	4000VAC	Wired	11.496 × 8.858 × 2.283	
MDP350010CDN	3500W	350-1000	24,48	4000VAC	Din-Rail	11.496 × 8.858 × 2.283	

Plastic Case (20-150W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MDR-20LC	20W	85-264VAC/120-370VDC	5, 12, 15, 24	4000VAC	3.74 × 0.89 × 3.35
MDR-40LC	40W	85-264VAC/120-370VDC	5, 12, 24, 48	4000VAC	3.94 × 1.38 × 3.54
MDR-60LC	60W	85-264VAC/120-370VDC	5, 12, 15, 24	4000VAC	3.94 × 1.38 × 3.54
MDR-15SC	15W	85-264VAC/120-370VDC	5, 12, 15, 24, 48	4000VAC	0.69 × 3.54 × 2.28
MDR-30SC	30W	85-264VAC/120-370VDC	5, 12, 15, 24, 48	4000VAC	1.38 × 3.65 × 2.28
MDR-60SC	60W	85-264VAC/120-370VDC	5, 12, 15, 24, 48	4000VAC	2.05 × 3.65 × 2.28
MDR-100SC	100W	85-264VAC/120-370VDC	12, 15, 24, 48	4000VAC	2.76 × 3.65 × 2.28
MDR-150SC	150W	85-264VAC/120-370VDC	12, 15, 24, 48	4000VAC	4.13 × 3.54 × 2.18



Metal Case, Single-phase (75-960W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)
MDR-75SNC	75W	90-264VAC/120-370VDC	12,24,48	4000VAC	32.00 x 125.00 x 87.50
MDR-75SNC2	75W	85-305VAC/120-430VDC	12,24,48	4000VAC	32.00 x 110.00 x 87.50
MDR-120SNEC	120W	90-264VAC/127-370VDC	12,24,48	4000VAC	36.00 x 125.00 x 100.00
MDR-120SNEC2	120W	85-305VAC/120-430VDC	24,48	4000VAC	32.00 x 125.00 x 87.50
MDR-120SNC	120W	85-264VAC/120-370VDC	12,24,48,55	3000VAC	32.00 x 124.00 x 110.00
MDR-120SNC2	120W	85-264VAC/120-370VDC	12,24,48	3000VAC	32.00 x 124.00 x 110.00
MDR-240SNC	240W	85-264VAC/120-370VDC	12,24,48,55	3000VAC	41.00 x 124.00 x 110.00
MDR-240SNC2	240W	85-264VAC/120-370VDC	12,24,48	3000VAC	41.00 x 124.00 x 110.00
MDR-240SNEC	240W	85-264VAC/120-370VDC	12,24,48	3000VAC	54.00 x 124.00 x 110.00
MDR-480SNC	480W	85-264VAC/120-370VDC	24,48	3000VAC	48.00 x 125.00 x 131.50
MDR-960SNC	960W	180-264VAC/254-370VDC	24,48	4000VAC	110.00 x 124.00 x 127.00



Metal Case, Two-phase (60-480W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MDR-60WC		180-600VAC/250-850VDC	5,12,24,48	4700VAC	4.88 × 1.26 × 4.02
MDR-120WC		180-600VAC/254-848VDC	12,24,48	4000VAC	4.88 × 1.61 × 4.33
MDR-240WC		180-550VAC/254-780VDC	24,48	4000VAC	4.88 × 2.13 × 4.33
MDR-480WC		180-600VAC/250-850VDC	24,48	4000VAC	3.15 × 4.88 × 5.00



Metal Case, Three-phase (240-960W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MDR-240TEC	240W	320-600VAC/450-850VDC	24,48	4000VAC	4.88 × 2.13 × 4.33
MDR-240TC	240W	320-600VAC/450-800VDC	24,48	4000VAC	2.05 × 4.88 × 5.00
MDR-480TC	480W	320-600VAC/450-800VDC	24,36,48	4000VAC	3.15 × 4.88 × 5.00
MDR-480TEC	480W	320-550VAC/450-850VDC	24,48	4000VAC	3.15 × 4.88 × 5.00
MDR-960TC	960W	320-600VAC/450-800VDC	24,36,48	4000VAC	4.33 × 4.88 × 5.00
MDR-960TEC	960W	320-575VAC/450-820VDC	24,48	4000VAC	4.33 × 4.88 × 5.00



High-end Series (120-960W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MDR-120MC	120W	85-277VAC/120-390VDC	12,24,48	4000VAC	1.34 × 4.88 × 4.76
MDR-240MC	240W	85-277VAC/120-390VDC	12,24,48	4000VAC	1.89 × 4.88 × 4.76
MDR-480MC	480W	85-277VAC/120-390VDC	24,48	4000VAC	2.20 × 4.88 × 5.00
MDR-240SHC	240W	85-277VAC/120-390VDC	24,48	4000VAC	4.92 × 5.12 × 1.97
MDR-480SHC	480W	85-277VAC/120-390VDC	24,48	4000VAC	4.92 × 5.12 × 2.76
MDR-960SHC	960W	85-277VAC/120-390VDC	24,48	4000VAC	5.24 × 5.12 × 4.92



Parallel Redundancy Modules

Series	Input Voltage Range	Isolation	Dimension (in)
MDR-20PRC	9-60VDC	1500VAC	1.26 × 4.33 × 3.44
MDR-40PRC	9-60VDC	1500VAC	2.13 × 4.88 × 4.33

Buffer Module

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MDR-20BMC	480W	23-30VDC	24	2000VDC	2.48 × 4.92 × 4.50

Compact (3-90W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MPM-03C	3W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4000VAC	1.00 x 1.00 x 0.69
MPM-05C	5W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4000VAC	1.00 x 1.00 x 0.69
MPM-05CL	5W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4000VAC	1.80 x 1.00 x 0.85
MPM-10C	10W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4200VAC	1.57 x 1.00 x 0.83
MPM-10CL	10W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4000VAC	1.87 x 1.06 x 0.93
MPM-10CW	10W	90-528VAC / 100-745VDC	5, 9, 12, 15, 24	4000VAC	2.44 x 1.77 x 1.18
MPM-15C	15W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4200VAC	1.87 x 1.06 x 0.93
MPM-15CL	15W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4000VAC	2.06 x 1.07 x 0.94
MPM-15CH	15W	176-418VAC / 248-591VDC	5, 9, 12, 15, 24	4000VAC	2.06 x 1.07 x 0.94
MPM-20C	20W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4200VAC	2.06 x 1.07 x 0.94
MPM-20CW	20W	90-528VAC / 100-745VDC	3.3, 5, 9, 12, 15, 24	4000VAC	2.76 x 1.89 x 1.18
MPM-30C	30W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24,48	4200VAC	2.74 x 1.54 x 0.94
MPM-30CL	30W	85-305VAC / 100-430VDC	5, 12, 15, 24, 48	4000VAC	2.74 x 1.54 x 0.94
MPM-30CW	30W	176-528VAC / 248-746VDC	3.3, 5, 9, 12, 15, 24, 48	4000VAC	2.76 x 1.89 x 1.18
MPM-30SV	30W	90-305VAC / 120-430VDC	5, 12, 15, 24	4000VAC	2.54 x 1.79 x 0.87
MPM-40C	40W	85-305VAC / 100-430VDC	5, 12, 15, 24, 48	4200VAC	2.74 x 1.54 x 0.94
MPM-50SV	50W	90-305VAC / 120-430VDC	12, 15, 24	4000VAC	2.92 x 1.85 x 0.91
MPM-60C	60W	85-305VAC / 100-430VDC	5, 12, 15, 24, 48, 55	4200VAC	2.76 x 1.89 x 1.06
MPM-60CL	60W	85-305VAC / 100-430VDC	12, 15, 24, 48	4000VAC	3.43 x 2.05 x 1.16
MPM-90C	90W	85-305VAC / 100-430VDC	12, 15, 24, 48	4200VAC	3.43 x 2.05 x 1.16






Highly Reliable (5-150W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MPM-05CH	5W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4000VAC	1.91 x 1.42 x 0.81
MPM-10CH	10W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24	4200VAC	2.17 x 1.77 x 0.83
MPM-15CH	15W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24, 48	4200VAC	2.44 x 1.77 x 0.89
MPM-20CH	20W	85-305VAC / 100-430VDC	3.3, 5, 9, 12, 15, 24, 48	4200VAC	2.44 x 1.77 x 0.89
MPM-20SVI	20W	90-305VAC / 120-430VD	5, 12, 15, 24, ±12, ±15	4300VAC	2.07 x 1.08 x 0.93
MPM-25CH	25W	C85-305VAC /100-430VDC	3.3, 5, 9, 12, 15, 24, 48	4200VAC	2.76 x 1.89 x 0.93
MPM-40SVI	40W	90-305VAC / 120-430VDC	5, 12, 15, 24, 48	4300VAC	2.52 x 1.79 x 0.93
MPM-60SVI	60W	90-305VAC / 120-430VDC	12, 15, 24	4300VAC	2.92 x 1.85 x 0.91
MPM-100SVI	100W	90-264VAC / 127-370VDC	12, 24, 48	4300VAC	3.50 x 2.50 x 1.08
MPM-150SVI	150W	90-264VAC / 127-370VDC	12, 24, 48	4300VAC	3.50 x 2.50 x 1.08




Flexible Type (3-15W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MPL-03SC	3W	85-305VAC / 70-430VDC	3.3,5,9,12,15,24	3000VAC	1.04 × 0.50 × 0.43
MPL-05SC	5W	85-305VAC / 70-430VDC	3.3,5,9,12,15,24	3600VAC	1.04 × 0.58 × 0.43
MPL-10SC	10W	85-305VAC / 100-430VDC	3.3,5,9,12,15,24	3600VAC	1.26 × 0.68 × 0.59
MPL-15SC	15W	85-305VAC / 100-430VDC	3.3,5,9,12,15,24	3600VAC	1.59 × 1.10 × 0.59
MPL-15SC-C	15W	85-305VAC / 100-430VDC	3.3,5,9,12,15,24	3600VAC	1.31 x 0.85 x 0.38



Compact (15-80W)

Series	Power	Input Voltage Range	Output Voltage(VDC)	Isolation	Dimension (in)
MPO-15CE	15W	85-264VAC / 100-370VDC	5, 12, 15, 24, 36, 48	4000VAC	2.50 × 1.80 × 0.87
MPO-25CE	25W	85-264VAC / 120-370VDC	5, 12, 15, 24, 36, 48	4000VAC	3.00 × 2.00 × 1.06
MPO-35CE	35W	85-264VAC / 120-370VDC	5, 12, 15, 24, 36, 48	4000VAC	3.00 × 2.00 × 1.06
MPO-40S	40W	90-264VAC / 120-370VDC	12, 24	3000VAC	3.00 × 1.50 × 0.87
MPO-45CE	45W	85-264VAC / 100-370VDC	3.3, 5, 12, 15, 24, 36, 48	4000VAC	4.00 × 2.00 × 1.08
MPO-65CE	65W	85-264VAC / 100-370VDC	5, 12, 15, 24, 36, 48	4000VAC	4.00 × 2.00 × 1.22
MPO-65S	65W	90-264VAC / 120-370VDC	12, 24	3000VAC	3.00 × 2.00 × 0.87
MPO-80S	80W	90-264VAC / 120-370VDC	12, 24	3000VAC	3.03 × 2.00 × 0.93



High Power Density (120-750W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MPO-120C	120W	85-264VAC/120-370VDC	12,15,19,24,27,36,48,54	4000VAC	3.00 × 2.00 × 1.22
MPO-225C	225W	85-264VAC/120-370VDC	12,15,18,19,24,27,36,48,54	4000VAC	4.00 × 2.00 × 1.00
MPO-350C	350W	90-264VAC/127-370VDC	12,15,18,19,24,27,36,48,54	4000VAC	5.00 × 3.00 × 1.00
MPO-450C	450W	90-264VAC/127-370VDC	12,15,18,19,24,27,36,48,54	4000VAC	5.00 × 3.00 × 1.52
MPO-550C	550W	90-264VAC/127-370VDC	12,15,18,19,24,27,36,48,54	4000VAC	5.00 × 3.00 × 1.59
MPO-750C	750W	90-264VAC/127-370VDC	12,15,24,27,36,48,54	4000VAC	5.00 × 3.00 × 1.69



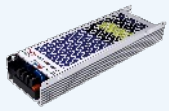
Medical Application (30-120W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MPO-30CME	30W	85-264VAC/100-370VDC	3.3,5,12,15,19,24,36,48	4000VAC	3.00 × 2.00 × 0.94
MPO-45CME	45W	85-264VAC/100-370VDC	3.3,5,12,15,24,30,36,48	4000VAC	3.00 × 2.00 × 1.12
MPO-65CME	65W	85-264VAC/100-370VDC	3.3,5,12,15,24,36,48	4000VAC	4.00 × 2.00 × 1.12
MPO-75CME	75W	85-264VAC/100-370VDC	5,9,12,15,24,27,48	4000VAC	4.00 × 2.00 × 1.26
MPO-120CME	120W	85-264VAC/100-370VDC	12,15,24,27,36,48,54	4000VAC	4.00 × 2.00 × 1.26



Slim and Fanless (200-2500W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MPE-200CMU	200W	85-305VAC/120-430VDC	5,12,24,28,36,48,54	4000VAC	7.64 x 2.17 x 1.02
MPE-350CMU	350W	85-305VAC/120-430VDC	5,12,24,28,36,48,54	4000VAC	8.66 x 2.44 x 1.22
MPE-500CMU	500W	85-305VAC/120-430VDC	5,12,24,28,30,36,48,55	4000VAC	9.13 x 3.19 x 1.22
MPE-750CMU	750W	85-305VAC/120-430VDC	12,24,28,36,48	4000VAC	9.33 x 3.94 x 1.61
MPE-1000CMU	1000W	85-305VAC/120-430VDC	12,24,36	4000VAC	9.45 x 4.53 x 1.61
MPE-2500CMU	2500W	85-305VAC/120-430VDC	24,36,48	4000VAC	12.20 x 5.51 x 2.36
MPE-200CMUE	200W	176-305VAC/240-430VDC	12,24,48	4000VAC	7.64 x 2.17 x 1.02
MPE-350CMUE	350W	176-305VAC/240-430VDC	5,12,24,28,36,48,54	4000VAC	8.66 x 2.35 x 1.22
MPE-500CMUE	500W	176-305VAC/240-430VDC	12,24,28,36,48,54	4000VAC	9.13 x 3.19 x 1.34





Standard (15-5000W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MPE-15C	15W	85-305VAC / 120-430VDC	3.3, 5, 12, 15, 24, 48	4000VAC	2.56 × 2.17 × 0.98
MPE-25C	25W	85-264VAC / 120-370VDC	3.3, 5, 12, 15, 24, 48	4000VAC	3.15 × 2.17 × 0.98
MPE-35C	35W	85-264VAC / 120-370VDC	5, 12, 15, 24	4000VAC	3.90 × 3.23 × 1.18
MPE-50C	50W	85-264VAC / 120-370VDC	5, 12, 15, 24, 36, 48	4000VAC	3.90 × 3.23 × 1.18
MPE-75C	75W	85-264VAC / 120-370VDC	5, 12, 15, 24, 36, 48	4000VAC	3.90 × 3.82 × 1.18
MPE-75CM	75W	85-305VAC / 120-430VDC	5, 12, 15, 24, 48	4000VAC	6.26 × 3.82 × 1.18
MPE-100C	100W	90-264VAC / 130-390VDC	5, 12, 15, 24, 36, 48	4000VAC	5.08 × 3.82 × 1.18
MPE-100CM	100W	85-305VAC / 120-430VDC	12, 15, 24, 48	4000VAC	7.05 × 3.90 × 1.18
MPE-150C	150W	85-264VAC / 120-370VDC	12, 15, 24, 36, 48	4000VAC	6.26 × 3.82 × 1.18
MPE-150CM	150W	85-305VAC / 120-430VDC	12, 15, 24, 48	4000VAC	7.05 × 3.90 × 1.18
MPE-200C	200W	90-132VAC / 180-264VAC	5, 12, 15, 24, 36, 485	3000VAC	7.05 × 3.90 × 1.18
MPE-200CM	200W	85-305VAC / 120-430VDC	, 12, 15, 24, 36, 48	4000VAC	7.05 × 3.90 × 1.18
MPE-320CM	320W	85-305VAC / 120-430VDC	4.5, 12, 15, 24, 27, 36, 48	4000VAC	8.46 × 4.53 × 1.18
MPE-350C	350W	90-132VAC / 180-264VAC	5, 12, 15, 24, 36, 48	4000VAC	8.46 × 4.53 × 1.18
MPE-450C	450W	90-132VAC / 180-264VAC	12, 15, 24, 27, 36, 42, 48	4000VAC	8.86 × 4.88 × 1.38
MPE-500CM	500W	80-264VAC / 110-370VDC	12, 15, 24, 27, 36, 48, 54	4000VAC	8.00 × 4.00 × 1.60
MPE-600C	600W	90-132VAC / 180-264VAC	12, 15, 24, 27, 36, 42, 48	4000VAC	8.86 × 4.88 × 1.61
MPE-600CM	600W	80-277VAC / 110-390VDC	12, 15, 24, 27, 36, 48, 54	4000VAC	8.00 × 4.00 × 1.60
MPE-750CM	750W	80-277VAC / 110-390VDC	12, 15, 24, 27, 48	4000VAC	7.38 × 5.00 × 1.59
MPE-1000C	1000W	90-264VAC / 130-390VDC	12, 15, 24, 36, 42, 48, 54	4000VAC	7.38 × 5.00 × 1.59











Standard (15-5000W)

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (in)
MPE-1000CM	1000W	90-264VAC / 120-370VDC	12, 15, 24, 27, 36, 48, 54	4000VAC	7.48 × 5.00 × 1.59
MPE-1000SAR	1000W	90-264VAC / 120-370VDC	12, 24, 48	4000VAC	7.60 × 4.02 × 1.62
MPE-1500C	1500W	85-277VAC / 250-380VDC	5, 12, 15, 24, 27, 36, 48, 54	4000VAC	9.84 × 5.00 × 1.59
MPE-1500CM	1500W	85-264VAC / 120-370VDC	12, 15, 24, 27, 36, 48, 54	4000VAC	9.84 × 5.00 × 1.59
MPE-2000CM	2000W	85-277VAC / 120-390VDC	12, 24, 48	4000VAC	11.42 × 5.00 × 1.59
MPE-3000CM	3000W	85-277VAC / 120-390VDC	12, 24, 48	4000VAC	11.00 × 7.00 × 2.50
MPE-3000CME	3000W	180-277VAC / 254-390VDC	12, 24, 48	4000VAC	11.00 × 7.00 × 2.50
MPE-5000CM	5000W	198-305VAC / 340-530VAC	24, 36, 48	4000VAC	18.11 × 8.31 × 3.29



APPLICATIONS · Common applications & target markets

AC/DC

Industrial
Heavy machinery, process control, robotics, and factory automation.

Medical
Diagnostic imaging, patient monitors, and laboratory instruments.

Test & Measurement
Benchtop instruments, automated test equipment, and signal generators.

Communications
Base stations, network switches, and telecom shelter equipment.

Renewable Energy
Solar inverters, wind turbines, battery management, and EV charging.

Railway
Onboard systems, signaling, and trackside power equipment.

DC/DC Converter for IGBT Driver

Series	VCE(max.)	Vin(VDC)	Gate Voltage	Output Peak Current	Max. Frequency	Isolation
IGV815-1509CS	1700VDC	15	+15/-9VDC	±8A	20KHz	3750VAC
IGV812-1509CS	1700VDC	12	+15/-9VDC	±8A	20KHz	3750VAC
IGC81510-1409CS	1700VDC	+15/-10	+14/-9VDC	±8A	40KHz	3750VAC



IGBT, SiC, GaN Driver Power Supplies

Series	Package	Input Voltage (VDC)	Positive/Negative Output(VDC)	Output Current(mA)	Effi(%) (Typ)	Isolation
IGP2xx-1504CS	SIP	12/15/24	15/-4	+120/-120	82	5000VAC
IGP2xx-1505CS	SIP	5	15/-5	+80/-40	82	5000VAC
IGP2xx-1509CS	SIP	5/12/15/24	15/-9	+100/-100	82	5000VAC
IGP2xx-1803CS	SIP	5/12/15/24	18/-3	+100/-100	82	5000VAC
IGP2xx-2004CS	SIP	5	20/-4	+80/-40	82	5000VAC
IGP2xx-2005CS	SIP	12/15/24	20/-5	+90/-90	82	5000VAC
IGP24xx-1504CM	SMT	12/15/24	15/-4	+120/-120	86	5000VAC
IGP24xx-1509CM	SMT	12/15/24	15/-9	+100/-100	86	5000VAC
IGP24xx-1803CM	SMT	12/15/24	18/-3	+100/-100	86	5000VAC
IGP24xx-2005CM	SMT	12/15/24	20/-5	+90/-90	86	5000VAC
IGP6xx-1505CM	SMT	12/24	15/-5	+300/-300	82	5000VAC
IGP6xx-1510CM	SMT	12/24	15/-10	+240/-240	82	5000VAC
IGP6xx-2005CM	SMT	12/24	20/-5	+240/-240	82	5000VAC



One driver family.

Whichever power switch your design calls for – **IGBT, SiC, or GaN** – MicroPower Direct's isolated gate drivers fit the role.

Isolated CAN Bus Transceiver Module

Series	Package	Integrated Power	Type	Protocol	Input Voltage	Baud Rate	Nodes
MTR-CAN-3(5)HSM	SMD	YES	High-rate	CAN	3.3/5VDC	40k-1Mbps	110
MTR-CAN-3(5)LSOG	DIP	YES	Universal	CAN	3.3/5VDC	5k-1Mbps	110
MTR-CAN-3(5)LSO	DIP	YES	Universal	CAN	3.3/5VDC	5k-1Mbps	110
MTR-CAN-3(5)HSO	DIP	YES	High-rate	CAN	3.3/5VDC	40k-1Mbps	110
MTR-CAN-3(5)LSGW	SMD	YES	Universal	CAN	3.3/5VDC	5k-1Mbps	110
MTR-CAN-3(5)HSMP	DIP	YES	High-rate	CAN	3.3/5VDC	40k-1Mbps	110
MTR-CANFD-3(5)LSMP	DIP	YES	High-rate	CANFD	3.3/5VDC	40k-5Mbps	110
MTR-CAN-3(5)HSMPG	DIP	YES	High-rate	CAN	3.3/5VDC	40k-1Mbps	110
MTR-CAN-3(5)HSP	DIP	YES	High-rate	CAN	3.3/5VDC	20k-1Mbps	110
MTR-CAN-3(5)LSP	DIP	YES	Universal	CAN	3.3/5VDC	5k-1Mbps	110
MTR-CAN-3(5)HDP	DIP	YES	Dual channel	CAN	3.3/5VDC	40k-1Mbps	110



Isolated RS-232 Transceiver Module

Series	Package	Integrated Power	Type	Protocol	Input Voltage	Baud Rate	Nodes
MTR-RS232-3(5)LSM	SMD	YES	Universal	232	3.3/5VDC	115.2kbps	1
MTR-RS232-3(5)LSP	DIP	YES	Universal	232	3.3/5VDC	115.2kbps	1
MTR-RS232-3(5)LDP	DIP	YES	Dual channel	232	3.3/5VDC	115.2kbps	1



Isolated RS-485 Transceiver Module

Series	Package	Integrated Power	Type	Protocol	Input Voltage	Baud Rate	Nodes
MTR-RS485-3(5)LSM	SMD	YES	Universal	485	3.3/5VDC	150kbps	128
MTR-RS485-3(5)LSO	DIP	YES	Universal	485	3.3/5VDC	200kbps	64
MTR-RS485-3(5)LSOA	DIP	YES	Automatic send/receive	485	3.3/5VDC	500kbps	128
MTR-RS485-3(5)LSPG	DIP	YES	Universal	485	3.3/5VDC	200kbps	32
MTR-RS485-3(5)LSMPG	DIP	YES	Universal	485	3.3/5VDC	500kbps	64
MTR-RS485-3(5)LSMP	DIP	YES	Universal	485	3.3/5VDC	500kbps	64
MTR-RS485-3(5)LSP	DIP	YES	Universal	485	3.3/5VDC	200kbps	32
MTR-RS485-3(5)LSPA	DIP	YES	Universal	485	3.3/5VDC	115.2kbps	32



Current Detection - Type B Leakage

Application: EV charging station





Series	Protocol Standard	Leakage Protection	Residual Current Operating Range	Appearance Structure	Mounting Method	Vin(V)	Isolation	Operating Temperature
MCT-B6A-E1NPVD	European standard	PD	DC 3~6mA+AC 15~30mA	Rounded arch	Vertical PCB Mounting	4.85-5.15	5000VAC	-40 ~ +105C
MCT-B6A-E1NPWD	European standard	PD	DC 3~6mA+AC 15~30mA	Rounded arch	Wire	4.85-5.15	5000VAC	-40 ~ +105C
MCT-B6A-E1NPHD	European standard	PD	DC 3~6mA+AC 15~30mA	Rounded arch	Horizontal PCB Mounting	4.85-5.15	5000VAC	-40 ~ +105C
MCT-B6A-E1NPWR	European standard	PD	DC 3~6mA+AC 15~30mA	Square	Wire	4.85-5.15	4000VAC	-40 ~ +105C
MCT-B6A-E1WP2VR	European standard	PD	DC 3~6mA+AC 15~30mA	Square	Vertical PCB Mounting	4.85-5.15	3000VAC	-40 ~ +105C
MCT-B6A-E1WP2VDLT	European standard	PD	DC 3~6mA+AC 15~30mA	Small rounded arch	Vertical PCB Mounting	4.85-5.15	3000VAC	-40 ~ +105C
MCT-B6A-E1WP4HDS	European standard	PD	DC 3~6mA+AC 15~30mA	Round top, Square bottom	Horizontal PCB Mounting	4.85-5.15	3000VAC	-40 ~ +105C
MCT-B6A-E1NPHDS	European standard	PD	DC 3~6mA+AC 15~30mA	Round top, Square bottom	Horizontal PCB Mounting	4.8-5.2	3000VAC	-40 ~ +105C
MCT-B6A-C3NPVR	European / American standards	PD	DC 3~6mA+AC 15~20mA	Square	Vertical PCB Mounting	4.85-5.15	4000VAC	-40 ~ +105C

CompuMess Elektronik GmbH

CME

Lise-Meitner-Straße 4
85716 Unterschleißheim
Tel. +49 89 321501-0

Fax +49 89 321501-11
info@compumess.de
www.compumess.de