



MDCI 360



MDCI 100, 200 and all MDCs

MDCI – dc/dc converters, switch-mode, isolated

| Model | MDCI 100 | MDCI 200 | MDCI 360 | MDCI 360 Charger |
|--|-------------|--------------|--------------|------------------|
| Power (W) | 100 | 200 | 360 | 330 |
| Input variants (Vdc) | A-B-C-D | A-B-C-D | A-B-C-D | A |
| Output variants (Vdc/Amp) ± 2 | 12.5/8-24/4 | 12.5/16-24/8 | 12.5/30-24/8 | 27,6/12 |
| Galvanic isolation | ✓ | ✓ | ✓ | ✓ |
| Isolation voltage (V) | 400 | 400 | 400 | 400 |
| Efficiency @ full load (%) | ± 85 | ± 85 | ± 85 | ± 85 |
| Off-load current (mA) | < 25 | < 25 | < 25 | < 25 |
| Operating temperature (°C) | -20 / +45 | -20 / +45 | -20 / +45 | -20 / +45 |
| Ambiant temp. (20°) increase after 30 minutes @ full load (°C) | 25 | 30 | 30 | 30 |
| Cooling | Convection | Fan | Fan | Fan |
| Dimensions HxWxD (mm) | 49x88x152 | 49x88x182 | 64x163x160 | 64x163x160 |
| Weight (gr) | 500 | 600 | 1400 | 1400 |

A = 9-18 Vdc B = 20-35 Vdc C = 30-60 Vdc D = 60-120 Vdc

MDC – dc/dc converters, switch-mode, non isolated

| Model | MDC 1224-7 | MDC 2412-5 | MDC 2412-8 | MDC 2412-12 | MDC 2412-20 | MDC 2412-30 |
|--|------------|------------|------------|-------------|-------------|-------------|
| Current (A) | 7 | 5.5 | 8 | 12 | 20 | 30 |
| Input (Vdc) | 9-18 | 18-35 | 18-35 | 20-35 | 20-35 | 20-35 |
| Output (Vdc) | 24 | 13.2 | 13.2 | 13.2 | 13.8 | 13.8 |
| Efficiency @ full load (%) | 90 | 90 | 90 | 90 | 90 | 90 |
| Off-load current (mA) | < 15 | < 5 | < 5 | < 5 | 25 | 25 |
| Operating temperature (°C) | -20 / +40 | -20 / +40 | -20 / +40 | -20 / +40 | -20 / +40 | -20 / +40 |
| Ambiant temp. (20°) increase after 30 minutes @ full load (°C) | 30 | 30 | 20 | 30 | 33 | 33 |
| Cooling | Convection | Convection | Convection | Convection | Convection | Fan |
| Dimensions HxWxD (mm) | 49x88x98 | 49x88x68 | 49x98x88 | 49x98x88 | 49x88x126 | 49x88x151 |
| Weight (gr) | 300 | 170 | 250 | 260 | 480 | 600 |

| Common features MDCI & MDC | |
|----------------------------|--|
| Paralleling | Max. 2 converters |
| Humidity | Max. 95% non condensing |
| Protection : | |
| . Overload | Up to short-circuit |
| . Overheating | Output voltage reduction |
| . Overvoltage | Transient protection by Varistor |
| . Reverse polarity | Fuse |
| Connections | 6.3 mm push-on flat blade connectors |
| Casework | Anodized aluminium |
| Warranty | 2 years |
| Norms | EN 50081-1 (emission) EN 50082-1 (immunity) 95/45/EC (automotive directive) |