



MDCI & MDC Series

MDCI – DC/DC converter, switch-mode, isolated

Model	MDCI 100	MDCI 200	MDCI 360	MDCI 360 Charger
Power (W)	100	200	360	360
Input variants (Vdc)*	A-B-C-D	A-B-C-D	A-B-C-D	A
Output variants (Vdc/A) $\pm 2\%$	12.5/8-24/4	12.5/16-24/8	12.5/30-24/15	27.6/13
Output current (A)	8/4	16.5/8	30/15	13
Galvanic isolation	.	.	.	.
Isolation voltage (V)	400			
Efficiency @ full load (%)	> 85			
Off-load current (mA)	< 25			
Operating temperature	-20 / +45°C			
Ambiant temp. (20°) increase after 30 min. @ full load	25°C	30°C		
Cooling	Convection	Fan		
Dimensions HxWxD (mm)	49x88x152	49x88x182	64x163x160	
Weight (gr)	500	600	1400	

* A = 9-18 Vdc

B = 20-35 Vdc

C = 30-60 Vdc

D = 60-120 Vdc

MDC –DC/DC converter, switch-mode, not-isolated

Model	MDC 1224-7	MDC 2412-5	MDC 2412-8	MDC 2412-12	MDC 2412-20	MDC 2412-30
Power (W)	170	65	105	160	275	415
Output current (A)	7	5.5	8	12	20	30
Input (Vdc)	9-18	18-35		20-35		
Output (Vdc)	24	13.2			13.8	
Efficiency @ full load (%)	90					
Off-load current (mA)	< 15	< 5			< 25	
Operating temperature	-20 / +40°C					
Ambiant temp. (20°) increase after 30 min. @ full load	30°C		20°C	30°C	33°C	
Cooling	Convection					Fan
Dimensions HxWxD (mm)	49x88x98	49x88x68	49x98x88		49x88x126	49x88x151
Weight (gr)	300	170	250	260	480	600

Common features MDCI & MDC		
Paralleling (only MDCI)		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
Casework		Anodized aluminium
Connections		6.3 mm Faston
Warranty		2 years
Norms		EN 50081-1 (emission) EN 50082-1 (immunity) 95/54/EC (automotive directive)