



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) ± 2%	12.5 / 24.5	12.5 / 24.5	12.5 / 24.5	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 H/W/D [mm]	49 / 88 / 152	49 / 88 / 182	83 / 132.8 / 190.5	
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 H/W/D [mm]	49 / 88 / 98	49 / 88 / 68	49 / 98 / 88		49 / 88 / 126	49 / 88 / 151
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)	