



- 2:1 Wide Input Range
- 1500VDC I/O Isolation
- Short circuit / Overload / Over Voltage Protection
- Built in EMI filter for models
- 100% full load burn in test
- High reliability
- Convection cooled

SPECIFICATIONS

Line and load regulation	+/- 0.5%
Overload Protection	105% ~ 150% foldback current limiting, auto recovery
Over Voltage Protection	115% ~ 165% rated output voltage
Withstand Voltage	I/P-O/P: 1.5KV , I/P-FG:1.5KV 1 minute
Isolation Resistance	100M OHM (min.) @ 500VDC
Operating Temperature range	-10°C to 50°C @ Full Load , derate to 50% at 60°C
Safety Standards	All models with input voltage 12 , 24 , 48V meet LVD directive
EMC Standards	EN55022 class B EN61000-4-2,3,4,5,6,8 , ENV50204
Cooling	Convection cooled
Weight	MDR15: 0.88KG , MDR25: 0.88KG , MDR30: 0.94 KG MDR50: 0.98KG , MDR100: 1.1KG , MDR150: 1.2KG ,

SELECTION TABLE

MODEL	INPUT	Vout	Iout	Vout Range	Safety
MDR15-12-5	9.2-18VDC	5V	3A	4.75V - 5.5V	CE
MDR15-12-12	9.2-18VDC	12V	1.25A	10.8V - 13.2V	CE
MDR15-12-24	9.2-18VDC	24V	0.625A	21.6V - 26.4V	CE
MDR15-24-5	19-36VDC	5V	3A	4.75V - 5.5V	CE
MDR15-24-12	19-36VDC	12V	1.25A	10.8V - 13.2V	CE
MDR15-24-24	19-36VDC	24V	0.625A	21.6V - 26.4V	CE
MDR15-48-5	36-72VDC	5V	3A	4.75V - 5.5V	CE
MDR15-48-12	36-72VDC	12V	1.25A	10.8V - 13.2V	CE
MDR15-48-24	36-72VDC	24V	0.625A	21.6V - 26.4V	CE
MDR25-12-5	9.2-18VDC	5V	5A	4.5V - 5.5V	CE
MDR25-12-12	9.2-18VDC	12V	2.1A	11V - 16V	CE
MDR25-12-24	9.2-18VDC	24V	1.1A	23V - 30V	CE
MDR25-24-5	19-36VDC	5V	5A	4.5V - 5.5V	CE
MDR25-24-12	19-36VDC	12V	2.1A	11V - 16V	CE
MDR25-24-24	19-36VDC	24V	1.1A	23V - 30V	CE
MDR25-48-5	36-72VDC	5V	5A	4.5V - 5.5V	CE
MDR25-48-12	36-72VDC	12V	2.1A	11V - 16V	CE
MDR25-48-24	36-72VDC	24V	1.1A	23V - 30V	CE
MDR50-12-5	9.2-18VDC	5V	10A	4.5V - 5.5V	CE
MDR50-12-12	9.2-18VDC	12V	4.2A	11V - 16V	CE
MDR50-12-24	9.2-18VDC	24V	2.1A	23V - 30V	CE
MDR50-24-5	19-36VDC	5V	10A	4.5V - 5.5V	CE
MDR50-24-12	19-36VDC	12V	4.2A	11V - 16V	CE
MDR50-24-24	19-36VDC	24V	2.1A	23V - 30V	CE
MDR50-48-5	36-72VDC	5V	10A	4.5V - 5.5V	CE
MDR50-48-12	36-72VDC	12V	4.2A	11V - 16V	CE
MDR50-48-24	36-72VDC	24V	2.1A	23V - 30V	CE

SELECTION TABLE

MODEL	INPUT	Vout	Iout	Vout Range	Safety
MDR100-24-5	19-36VDC	5V	20A	4.5V - 5.5V	CE
MDR100-24-12	19-36VDC	12V	8.5A	11V - 16V	CE
MDR100-24-24	19-36VDC	24V	4.2A	23V - 30V	CE
MDR100-48-5	36-72VDC	5V	20A	4.5V - 5.5V	CE
MDR100-48-12	36-72VDC	12V	8.5A	11V - 16V	CE
MDR100-48-24	36-72VDC	24V	4.2A	23V - 30V	CE
MDR100-110-5	72-144VDC	5V	20A	4.5V - 5.5V	
MDR100-110-12	72-144VDC	12V	8.5A	11V - 16V	
MDR100-110-24	72-144VDC	24V	4.2A	23V - 30V	
MDR150-24-12	19-36VDC	12V	12.5A	11V - 16V	CE
MDR150-24-24	19-36VDC	24V	6.3A	23V - 30V	CE
MDR150-48-12	36-72VDC	12V	12.5A	11V - 16V	CE
MDR150-48-24	36-72VDC	24V	6.3A	23V - 30V	CE
MDR150-110-12	72-144VDC	12V	12.5A	11V - 16V	
MDR150-110-24	72-144VDC	24V	6.3A	23V - 30V	