

Application Note

Recommended Power Supply for KTI's KCD-302-2C Media Converter

1. Power Supply Specification

Item Power	Type	Vendor	KCD-302-2C Interface	Rated Input Voltage	Rated Output Voltage	Rated Power	Working Temp. (100% power)	De-rating
DR-4512	Din-Rail	Meanwell	Terminator Block	85-264V	12V	42W	100%@0~45°C	80%@-10°C 80%@50°C
DR-6012	Din-Rail	Meanwell	Terminator Block	88-264V	12V	54W	100%@-20~45°C	60%@60°C
DR-7512	Din-Rail	Meanwell	Terminator Block	85-264V	12V	76W	100%@-10~45°C	60%@60°C
DR-12012	Din-Rail	Meanwell	Terminator Block	88-132V 176-264V	12V	120W	100%@-10~45°C	60%@60°C
MDR-6012	Din-Rail	Meanwell	Terminator Block	85-264V	12V	60W	100%@-20~55°C	60%@70°C
AMS3-1201000FV/FU	Adapter	KTI	DC Jack	100-240V	12V	12W	100%@-10~60°C	—

De-rating: The power output efficiency is declined under the specified working temperature.

2. The maximum number of the power supply support media converters with the listed power

Power Media converter	DR-4512 (42W)	DR-6012 (54W)	DR-7512 (76W)	DR-12012 (120W)	MDR-6012 (60W)	AMS3-1201000FV/FU
KCD-302 (2.76W@12V)	14 units	18 units	25 units	40 units	20 units	1 units

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