

## Application Note

### Power Supply for KTI's KCD-300-C1 Media Converter

#### 1. Power Supply Specification

Item Power	Type	Vendor	KCD-300-C1 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

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)
KCD-300-C1 (1.87W@12V)	20 units	25 units	36 units	57 units	28 units

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