

## High Density Modules

### DC-DC Converters

#### 28V Input

HDM *single output* ..... 250W

HDM *triple output* ..... 185W

#### 48V Input

HDM-100 *single output* ..... 100W

#### 270V Input

HDM+ *single output* ..... 325W

HDM *triple output* ..... 185W

HDM-200 *single output* ..... 200W

HDM-LLP *single output* ..... 28W

## Input Conditioning

HDA Series ..... Power Factor Correction

HDF Series ..... 28V DC EMI Filters

HDF-DC500 ..... 270V DC EMI Filters

HDF-AC ..... AC EMI Filter

HDRF ..... 3 $\phi$  Rectifier/Filter

HDM-BT ..... Boost Converters

## Module Accessories

HDM-MB ..... Mounting Boards

HDM-ES ..... HDM EMI Shield

HDM-SK ..... HDM Socket Kit

HDM-TI ..... HDM Thermal Insulator

HDM-HS ..... HDM Heat Sink

## Interface Assemblies

HDM-IA ..... HDM Interface Assembly

HDM-UC ..... HDM Universal Card

## Application Notes

HDMA-100 ..... Noise and Ripple

HDMA-101 ..... Paralleling

HDMA-102 ..... Synchronization

HDMA-103 ..... Remote Sensing

HDMA-104 ..... Output Trimming

HDMA-105 ..... Line and Load Regulation

HDMA-106 ..... Logic On/Off

HDMA-107 ..... Power Factor Correction

HDMA-108 ..... PWB Pad Sizes

HDMA-109 ..... MIL-STD-1275A

HDMA-110 ..... Series Connection

HDMA-111 ..... Mechanical and Soldering

HDMA-112 ..... Hold-Up Considerations

HDMA-113 ..... Output Status

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# HDC High Density Converters

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# HDCC

## High Density Converters

### Application Notes

- HDMA-100** ..... Noise and Ripple
- HDMA-101** ..... Paralleling
- HDMA-102** ..... Synchronization
- HDMA-103** ..... Remote Sensing
- HDMA-104** ..... Output Trimming
- HDMA-105** Line and Load Regulation
- HDMA-106** ..... Logic On/Off
- HDMA-107** .. Power Factor Correction
- HDMA-108** ..... PWB Pad Sizes
- HDMA-109** ..... MIL-STD-1275A
- HDMA-110** ..... Series Connection
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- HDMA-112** .. Hold-Up Considerations
- HDMA-113** ..... Output Status

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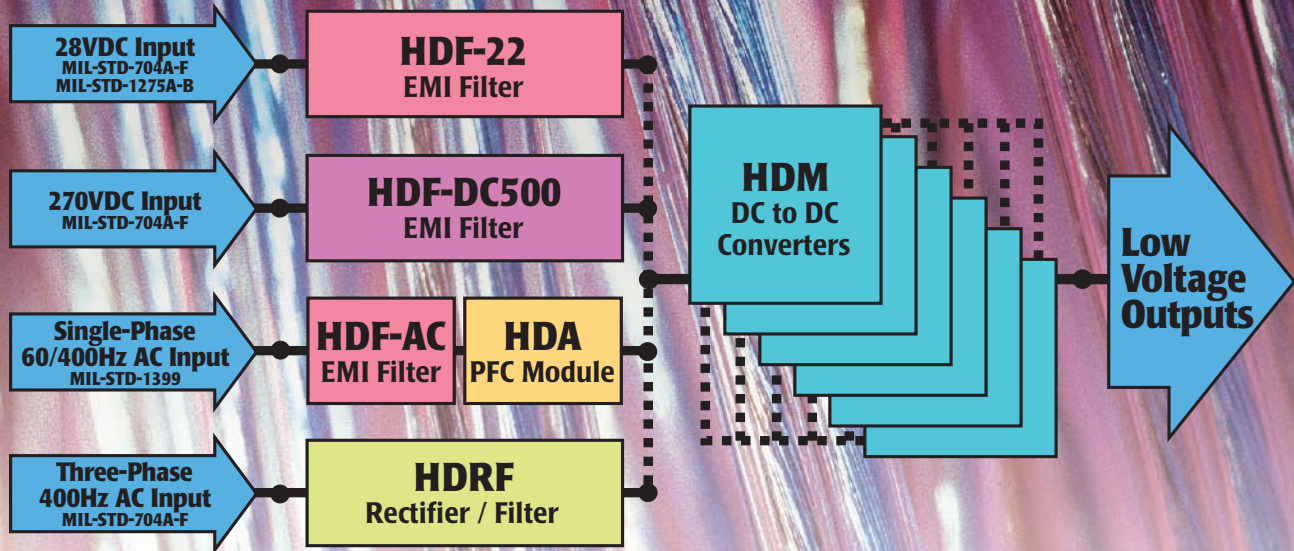
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**COTS+**<sup>TM</sup>  
*Building Blocks*



**Rantec Power Systems Inc.**

# Low Voltage Products

## Power Systems from **COTS+** Building Blocks



### HDF/ HDRF EMI Filters

- HDF DC EMI Filter
- HDF-AC 1Ø AC EMI Filter
- HDRF 3Ø Rectifier/Filter



### HDA PFC Modules

- Single Phase
- Power Factor = 0.99
- Low Harmonic Distortion
- 85 to 265VAC
- 60 or 400Hz
- Overvoltage Protection
- Overcurrent Protection



### HDM DC-DC Converters

- Inputs: 28, 48, 270VDC
- Outputs: 2.1 to 110VDC
- Single (25 to 325W) or Triple (185W)
- Line / Load Reg < 1%
- Ripple (0-20MHz) < 2%
- Overvoltage Protection
- Overcurrent Protection
- Efficiency typically >80%
- Isolated

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