

# Power Solutions for Today's Military

Power Systems from **COTS+** Building Blocks

## HDM-100

Single Output Series  
48V Input DC-DC Converter

- ◆ Up to 120W output
- ◆ Fixed frequency operation
- ◆ External synchronization capability (optional)
- ◆ Logic On/Off
- ◆ Conduction cooled
- ◆ Ruggedized meets MIL-STD-810C
- ◆ Wide operating temperature -55°C to +95°C
- ◆ No aluminum electrolytic capacitors
- ◆ Compatible with Rantec's HDM-BT boost converter
- ◆ Competitively priced
- ◆ Tested in accordance with IEEE 1515-2000, as applicable
- ◆ Consult Rantec for your unique requirements



Rantec's HDM-100 is part of a family of DC-DC converters that are the basic building block used to develop performance based "Power System" in today's military environment. Its compact size and high performance make it an ideal element for a distributed power system. The modules can also be configured in multiple combinations to develop custom solutions. Using fixed frequency switching technology, the HDM-100 has predictable performance, a must for military applications. The HDM series converters incorporate power MOSFETs, planar magnetics, and surface mount technology onto a metal clad PC board. The forward converter topology employs fewer components, which translates into enhanced reliability.

### SINGLE OUTPUT SERIES MODELS

2.1V@30A	3.3V@25A	5V@20A	12V@10A	15V@8A	24V@5A
HDM-2S2 -2-01	HDM-2S2 -3-01	HDM-2S2 -5-01	HDM-2S2 -12-01	HDM-2S2 -15-01	HDM-2S2 -24-01

*The System Designer's Choice*

**Rantec Power Team Engineers  
Offer Technical Assistance to:**  
Evaluate Power System Requirements  
Develop Power System Architecture  
Reduce Time to Market



**Rantec Power Systems Inc.**

