

# Power Solutions for Today's Military

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

## HDM

### Triple Output Series 28V input DC-DC Converter

- ◆ **NEW** - wider input range: 16-33VDC
- ◆ Three regulated outputs
- ◆ Up to 150W
- ◆ Fixed frequency operation
- ◆ Parallel with current sharing (main output)
- ◆ Output good signal
- ◆ External synchronization capability
- ◆ Low input voltage capability
- ◆ Operating temperature range: -55°C to +95°C
- ◆ Logic On/Off
- ◆ Conduction cooled
- ◆ Extremely low thermal resistance
- ◆ Ruggedized, meets MIL-STD-810C
- ◆ MIL-STD-704 Compatible (16V input)



Rantec's 28V HDM triple output series is the basic building block used to develop performance based "Power System Solutions" in today's military environment. Its compact size and high performance make it an ideal element for a distributed power system. Modules can also be configured in series or parallel combinations to develop custom solutions. Using fixed frequency switching technology, 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.

TRIPLE OUTPUT SERIES (150W max.) 28V Input			
	3.3V@30A ±12V@2A	5V@25A ±12V@2A	5V@25A ±15V@2A
MODEL	HDM-1T3-312-01	HDM-1T3-512-01	HDM-1T3-515-01

**Rantec Power Team Staff  
Offers Technical Assistance to:**

Define unique module specifications

Match module performance  
to system requirements



**Rantec Power Systems Inc.**

