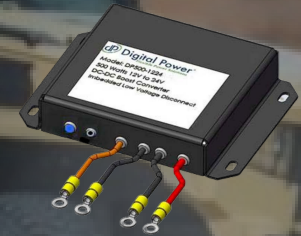


# 500W Tactical DC-DC Buck Converter

Mission-Ready Power for 28V Vehicle Systems



DN500M-28T

The DN500M-28T is a rugged, high-efficiency 500W DC-DC buck converter designed to convert 28Vdc vehicle power to a stable 24Vdc output. Engineered for demanding mobile and tactical environments, it delivers reliable performance under extreme electrical and environmental conditions.

With support for 100V transient protection, active current sharing, and a fully sealed IP67 enclosure, the unit is ideal for mission-critical vehicle systems requiring dependable, high-performance power conversion.


## Key Features

- Wide 36–24Vdc input range, optimized for 28V vehicle systems
- Regulated 24Vdc output for stable system operation
- 500W continuous output power across full temperature range
- High efficiency up to 96% for reduced heat and power loss
- Withstands 100V input transient spikes in harsh environments
- Comprehensive protection: over-voltage, under-voltage, over-current, short circuit, and reverse polarity
- Featured 1+1 parallel active current sharing operation at full load
- IP67 fully sealed enclosure for dust and water protection

## Applications

- Military and tactical vehicles
- Emergency response vehicles (ambulance, fire apparatus)
- SWAT and tactical units
- Border protection and enforcement vehicles
- Mobile communications equipment
- Commercial and specialty vehicles

For quotes and customization requests, please contact  
Digital Power Corporation at

 (877) 634-0982