

CONVERTERS

MODEL Boost | PART #APS-12UP28-40/X1
12VDC to 28VDC | 40 amps



FEATURES & BENEFITS

- High efficiency
- Low-profile, compact unit
- Lightweight
- No minimum load required
- Fixed frequency operation at 400kHz
- Fully protected (OTP, OCP, OVP, UVLO)
- Auto recovery
- Input reverse polarity protection
- High reliability
- Ideal for harsh environments exposed to shock and vibration
- Able to withstand wide operational temperature range
- Well-suited for high-temperature environments
- Follows conservative component de-rating guidelines
- Uses synchronous rectification technology and advanced electronic circuitry, resulting in power you can count on

APPLICATIONS

APS high-efficiency, non-isolated DC-DC switch-mode single-output converters are specifically designed for both military and commercial mobile applications.



GENERAL AND MECHANICAL SPECIFICATIONS

VARIANT

Weight	3 lbs.
Dimensions (LxWxH)	9" L x 6" W x 1.25" H
Input Voltage Range (VDC)	10-16 VDC
Operating Temperature	-40°C to 95°C
Non-operating Temperature	-55°C to 100°C
Output Voltage Set Point	28.5 VDC
Operating Output Current Range	40 amps
Efficiency (at 100% load)	96%

