

# How to Avoid the Wrong Power Supply



**FOCUS:**

## CUSTOM VS. STANDARD

# 1

### STANDARD

*Convenience vs. Specificity*

- Standards are ordered from a manufacturer or distributor
- Have already been produced and tested
- Generally represent common and popular design specifications
- Fall into 5 general categories:
  - › Encapsulated
  - › Open Frame
  - › Desktop
  - › Wall Mount
  - › DIN
- No development or NRE costs
- Generally a short lead time
- Usually does not meet exact specifications
- Performance specifications can be overkill as they are not exact
- More risk of failure and cost of repair in the long run

# 2

### CUSTOM

*Specificity vs. Cost & Time*

- Custom supply ranges from semi custom (slight change in a standard) to full custom (all new specs)
- Usually needed if a standard design can't meet performance or mechanical fit
- Best in situations that will not need to change in the future (manufacturer needs to get all changes approved by customer)
- Higher cost
  - › NRE Cost
  - › Design Cost
  - › Agency Approvals
- Longer lead time (Design: 2-3 months, Full production: 6 months)