

## VULCAN SERVO DRIVE SERIES



### 40+ Configurations

#### Specifications

Bus Voltage (DC)	24V-610V
Peak Current	65A
Output Power Max	12kW
Temperature (Ambient) (Coolant)	-40°C to 121°C -40°C to 85°C
Electrical Speed Max	Up to 75,000 RPM
Weight	11.5 lbs (5.2 kg)
Motor Types	DC Brushless, Brushed and Induction
Feedback Options	Sensorless, Encoder, Resolver, Hall
Cooling Options	Liquid
Packaging	Ruggedized
Size	16.3" L x 6.3" W x 3.0" H

### Rugged Servo Drive That Can Take The Heat

The Vulcan operates at high-voltages and temperatures up to 121°C, making it ideal for defense, energy, oil and gas, aviation, automotive or heavy industrial applications in outdoor, high-temperature, high vibration or other extreme environmental conditions.

#### Highlights

- Shock & vibration tolerant construction
- Configurable, user-friendly GUI with built-in scope feature
- High-density DSP controller for single or dual-axis
- Multiple power driver options
- MIL-STD-461 EMI filter, active inrush limiter and regen switch

#### Applications

- Airborne sensor
- Surveillance
- Wing deployment
- Armament handling equipment

# Ordering Information

SERVO DRIVE ORDERING INFORMATION

Servo Drive	Continuous Motor Current*	Voltage	Feedback**	Options	Configuration
V-Vulcan	15-15A 40-40A 80-80A	025-25V 050-50V 100-100V 300-300V 600-600V	1-Resolver 2-Encoder 4-Hall 5-Resolver + Encoder	3-Liquid	S-Single-axis D-Dual-axis

\* Peak of sine wave  
 \*\* All options allow for sensorless feedback

**Example:**  
**Part Number: V40A300V13D**  
 Servo Drive: Vulcan  
 Continuous Current: 40A  
 Nominal Voltage: 300V  
 Feedback: Resolver  
 Cooling: Liquid  
 Configuration: Dual-axis

