Variable Frequency Drive

APPLICATIONS

- **Industrial Automation:** VFDs optimize motor speed in machinery, enhancing energy efficiency.
- **HVAC Systems:** Regulate fan and pump speeds for energy savings and precise climate control.
- **Water & Wastewater Treatment:** Manage pumps and blowers for efficient water and sewage treatment.
- **Mining & Minerals Processing:** Control crushers, conveyors, and mills to boost efficiency and lower maintenance costs.
- **Oil & Gas Industry:** Regulate motor speed in drilling rigs and compressors, optimizing energy use.
- **Renewable Energy:** Used in wind turbines and solar tracking systems to maximize energy capture.

KEY FEATURES

- **Versatile Voltage Support:** Single and three-phase options with multiple output ranges.
- **High Torque & Overload Capacity:** Robust startup torque and overload handling.
- **Precision Control:** Advanced control modes and speed stability.
- **Safety & Flexibility:** Built-in safety features and customizable torque boost.

Technology

APS

APS Technology Australia Pty Ltd, Epping NSW, Australia

info@aps-technology.com.au

www.aps-technology.com.au

SPECIFICATIONS

- **Input Voltage:** Single or Three Phase (220, 380, 460 VAC)
- **Output Voltage:** 220, 380, 460, 575, 660 VAC

Current Ratings:

- 220 V: Up to 110 A
- 380 V: Up to 60 A
- 460 V: Up to 55 A
- 575 V: Up to 287 A
- 660 V: Up to 240 A
- **Max Frequency:** 0–500 Hz
- **Carrier Frequency:** 0.5–16 kHz (Auto-adjusts)
- **Control Modes:** SFVC, CLVC, V/F Control
- **Startup Torque:** Up to 180%
- **Speed Range:** 1:100 (SVC)
- **Overload Capacity:** G Type: Up to 150%, P Type: Up to 120%

Variable Frequency Drive

KEY FEATURES

- **Safety Features:** Auto Voltage Regulation, Overcurrent/ Overvoltage Control, DC Braking
- **Advanced Control:** JOG, PID, Custom Torque Boost