

## KENDRION SOLUTIONS

### Reliable performance under the toughest conditions

VIPER – sensorless motor control for rugged battery powered tools



Forestry equipment must work where machines are pushed hard: in dust, moisture, vibration, changing temperatures and heavy load changes. For battery powered chainsaws, brush cutters, winches, wood splitters, portable sawmills and hydraulic pump systems, stable control keeps performance reliable.

We offer VIPER as a flexible motor control platform for battery powered and hydraulic equipment. Its smart control algorithm applies the right amount of power to a wide range of motors and pump systems. This supports compact designs and smooth response during fast load changes or hydraulic pressure starts.

VIPER is a rugged control solution for harsh working environments. Its fully potted hardware and IP54 rating support use in dusty environments and areas exposed to water spray. Sensorless control works without external motor sensors. Efficient control reduces energy loss and heat generation, supporting runtime and compact integration.

Built for mobile machinery, VIPER gives manufacturers freedom to design efficient, electric and

intelligent forestry equipment and support related off-highway applications.

#### Product features

- Reliable performance under harsh conditions
- Compact motor control
- Robust and efficient
- Customizable design
- Strong startup performance
- Sensorless control technology
- Drives hydraulic pumps and direct drive systems
- Standard battery solutions for 12V to 48V battery operation
- Handles high dynamic load changes

#### Further application areas

- Hydraulic tools for rescue and safety applications
- Construction tools, such as concrete cutters, wood splitters and winches
- Press tools for electrical and plumbing installation
- Mining



#### Interested in learning more?

#### Get in touch with our Kendrion Sales Team!

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