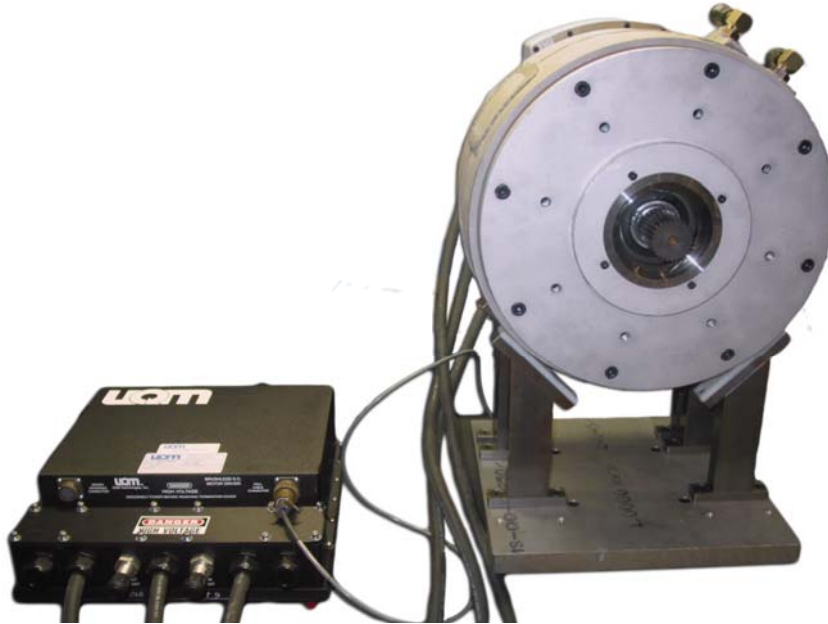




PowerPhase[®] 150

for electric, hybrid electric, and fuel cell powered vehicles



Key Features:

- 650 Nm peak torque
- 150 kW peak, 100 kW continuous motor power
- 150 kW peak, 100 kW continuous generator power
- Full Power at 340-420 VDC
- EV/HEV traction drive or HEV starter/generator system
- Efficient, power dense, brushless permanent magnet motor
- Microprocessor-controlled inverter with sine wave drive
- Application-friendly graphical user interface
- Regenerative Braking

Driver Electronics Incorporate:

- Serial communication
- CAN bus compatibility
- Diagnostic capability
- Temperature sensing/alarm
- Speed sensing
- Graphical user interface

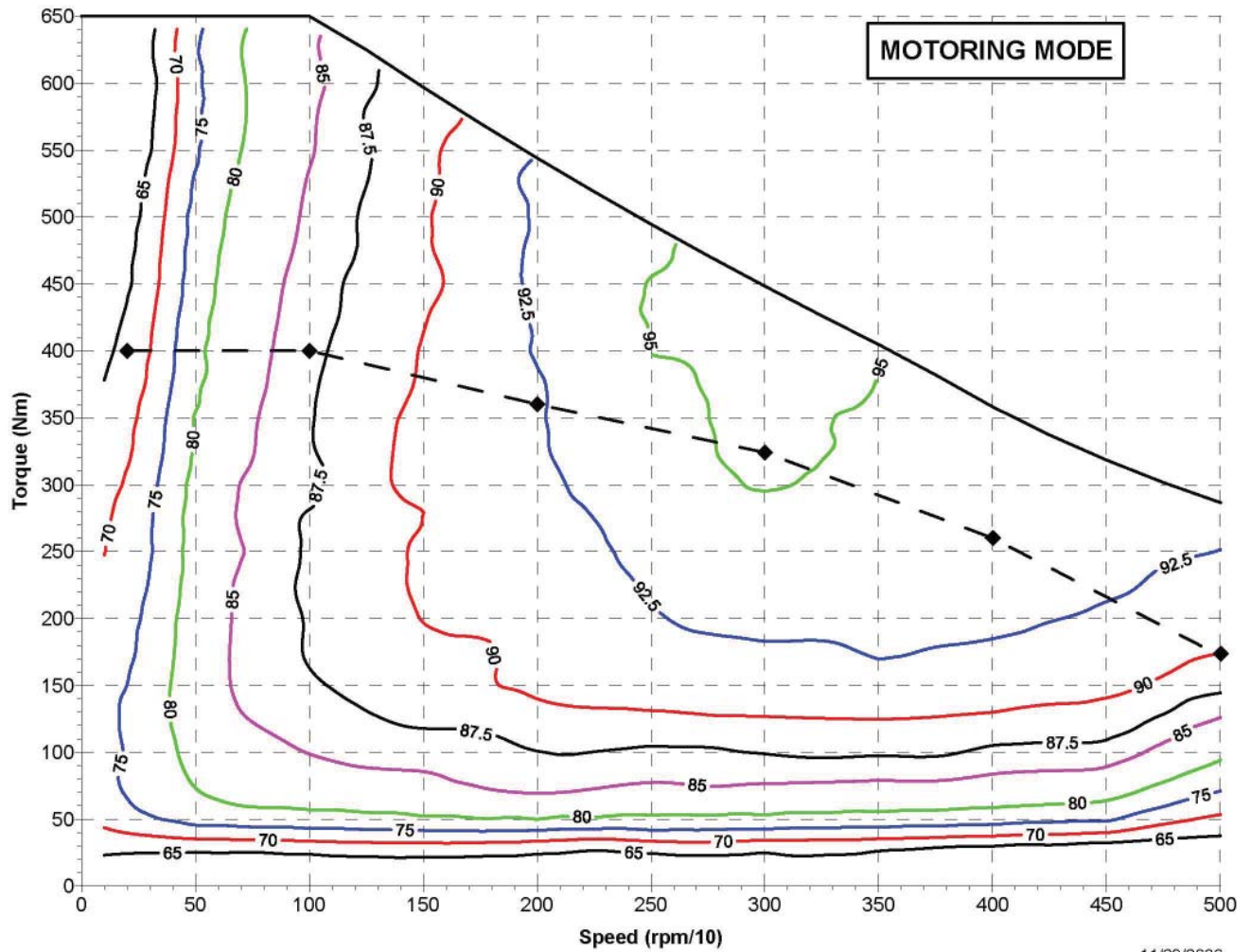
Benefits:

- Tight voltage regulation
- Improved braking and extended range
- Suitable for automotive applications
- Enhanced thermal management
- Torque, speed, and voltage control modes
- Rugged, weatherproof enclosure
- Liquid cooling
- Light weight

PowerPhase[®] 150

Motoring Efficiency Map

Includes controller and motor



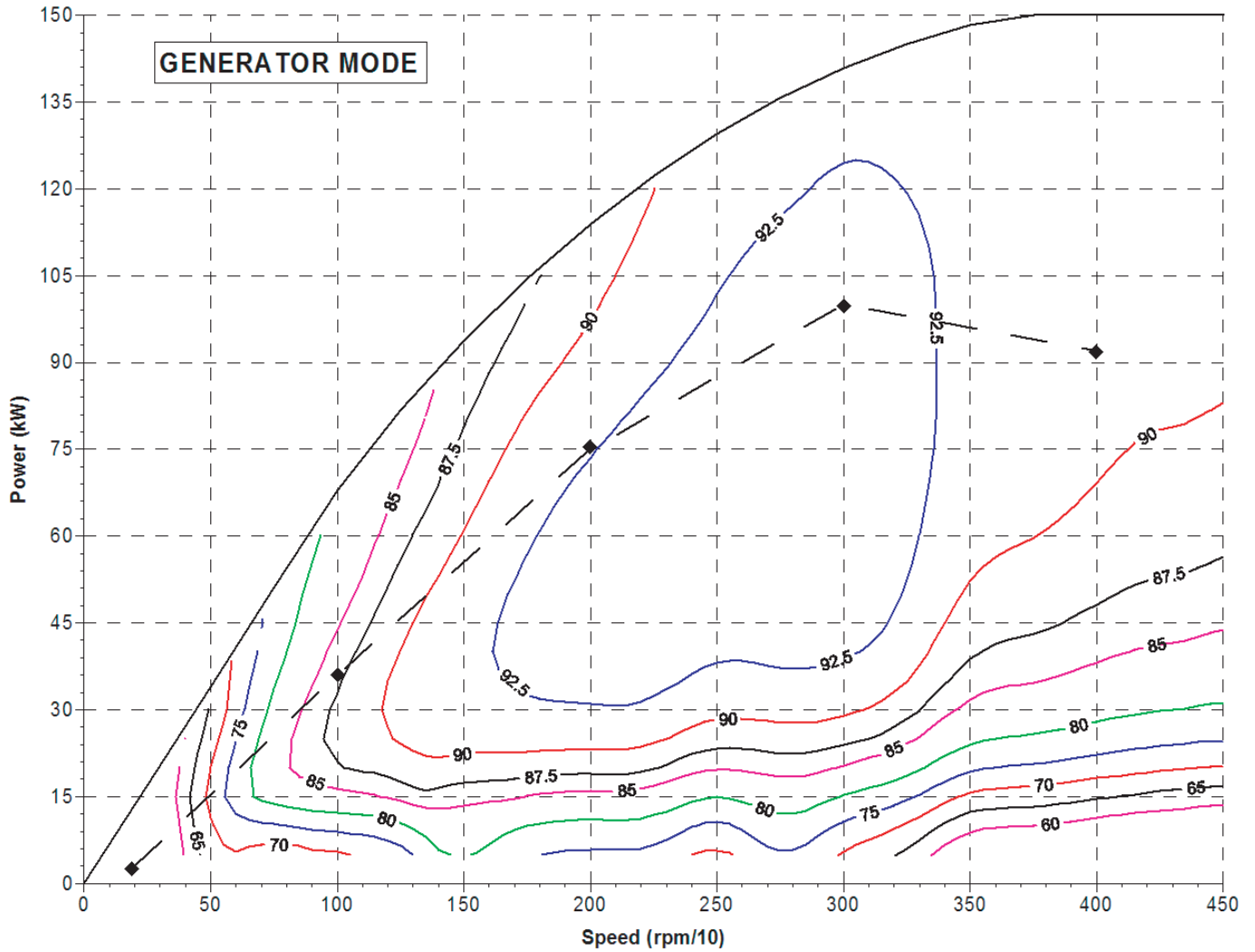
Testing Conditions

Continuous Output: 360 VDC input, 55°C coolant

Peak Output: 360 VDC input, 55°C coolant, duration 30-90 seconds

Generating Efficiency Map

Includes controller and generator



Testing Conditions

Continuous Output: 360 VDC input, 55°C coolant

Peak Output: 360 VDC input, 55°C coolant, duration 30-90 seconds