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Examples How the GVM Electric Motor is Providing Greater Efficiency and Performance



Parker's electric Global Vehicle Motor (GVM) is a powerful choice for both on- and off-road vehicles. The GVM is engineered for traction, electro-hydraulic pumps (EHP), and auxiliary applications. Learn more about how GVM is leading the industrial space as a key component in electromechanical and electrification solutions.



1 SUPERIOR DESIGN

Lighter and Smaller Footprint



When compared to induction technologies, GVM delivers:

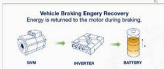
- Up to 50% less weight
- 200% smaller footprint

2 BETTER ENERGY SYSTEM

Energy Savings and Recovery



Parker's energy recovery system enables up to 30% energy savings compared to induction technologies.



3 HYBRID VEHICLE TRACTION

Consistent Power at Greater Efficiency

GVM delivers greater efficiency at a more consistent speed than competitors, providing more stable and reliable power.

Up to 2% More Efficient Than Competitive Motors



GVM

OUTPUT POWER
100kW

EFFICIENCY RATING
97%

ENERGY LOSS
3,000W

RESULTING IN
40% less energy waste than competitor

Competitor

OUTPUT POWER
100kW

EFFICIENCY RATING
95%

ENERGY LOSS
5,000W

4 PATENTED COOLING SYSTEM

Cooler Motor Results in Greater Continuous Power

Built to last, GVM's patented cooling system ensures peak performance for longer periods of time by optimizing temperature for the power curve. There is a direct correlation between the motor's coolness and continuous power. In other words, the cooler you keep the motor, the more power it delivers. Our competitors can't deliver that.



Simulated Cooling Ranges

Parker's patented, embedded cooling system eliminates the need for a second housing and maximizes power density in a smaller footprint.



5 VALUE CALCULATOR

Measurable Benefits for Your Application

Reduced battery cost

Longer cycles between charges

Less labor in the motor integration process

Meets cooling infrastructure requirements



To see cost benefits specific to your application, try our value calculator.



SCHEDULE AN ENGINEERING CONSULTATION

Interested in learning more about the GVM series and if it's the right fit for your application?

Talk to a Parker Expert at HPS.Technical@support.parker.com

Visit parker.com/mobility

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