

ELECTRIC *AND HYBRID* **INVERTERS**



***LOOKING TO THE FUTURE
SHAPING IT TODAY***

BSE
AUTOMOTIVE *Original*

ELECTRIC AND HYBRID VEHICLES

are essential to the future of the automotive industry. BSE Automotive is committed to this endeavor. We put every Inverter through rigorous testing to meet and exceed original manufacturer specifications, ensuring optimal power delivery to the electric motor and minimizing the environmental impact.

TOYOTA PRIUS

Gen 2



HV01001 2004-2009

Gen 3



HV01022 2012-19 (Prius C)

Gen 3



HV01003 2010-15

HV01004 2012-15

HV01005 2012-18 (Prius V)

HYBRID VOLTAGE CONVERTER

The Inverter performs critical functions for electric and hybrid vehicle powertrains. The converter/inverter is responsible for transforming the high-voltage battery's direct current (DC) into alternating current (AC) that is used by the drive motor to propel the vehicle.

When braking, the converter/inverter will rectify the alternating current from the generator into direct current to charge the battery. Some converter/inverter's also provide voltage to recharge the vehicle battery or power electrical systems.

TOYOTA CAMRY HYBRID



**HV01017 (2.4L)
2007-2011**



**HV01018 (2.5L)
2012-2017**



**HV01019
Toyota Highlander
FWD (3.3L) 2006-2007**

**Lexus RX400h
FWD (3.3L) 2006-2008**



**HV01020
Toyota Highlander
AWD (3.3L) 2006-2010**

**Lexus RX400h
AWD (3.3L) 2006-2008**



HV02005IR
Honda Civic 1.3L 2006-2011



HV03001
Nissan Leaf S/SL/SV
2013-2015



HV04001A



HV04001B

Ford Fusion 2.5L 2010-2012
Lincoln MKZ 2.5L 2011-2012
Mercury Milan 2.5L 2010-2011

MORE PRODUCT SELECTIONS



Electronic Throttle Bodies



Diesel Fuel Injection Control Modules



Anti-Lock Braking System Modules



Mass Airflow Sensors



Engine Control Modules



Body Control Modules



Instrument Panel Clusters



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AUTOMOTIVE

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