



Magnum Inverter/Charger Features Comparison



You asked and Magnum listened.

Our Inverter/Chargers are powerful, easy-to-use, and best of all, cost effective.

Safe and reliable: Our inverter/chargers are ETL Listed to the stringent requirements of UL/cUL 458 for mobile use and/or UL 1741 for off grid installations.

Modified sine wave or pure sine wave: Most Magnum inverters provide pure sine wave power. Run your T.V.s, stereos, plasma screens, and other sensitive electronics without worry. The cost effective pure sine wave inverter chargers provide clean, reliable power with low total harmonic distortion (THD) of less than 5%.

For an even more cost effective choice, Magnum also provides modified sine wave inverters. These units will provide power that will efficiently run 90% of the electronics on the market.

Power Factor Corrected (PFC) Charger: Our PFC charger is built into all of our inverter chargers. It uses less energy from a generator than a standard charger – using only 15 amps per 100 amps versus 23 amps used by standard chargers.

Choices: Magnum inverters come in multiple power models and 12, 24, and 48 volt configurations, allowing you to choose the model that is right for you.

Lightweight: 20% lighter than comparable models, Magnum inverters use an aluminum base and cover that provide noise reduction and corrosion resistance. These lighter weight models are also designed to be overnight shippable if necessary.

Accessible design: Extra large AC access cover with terminal screw block and 360° DC connection terminals with covers make inverters more accessible when needed.

Dual inputs: With 60 Amp transfer service available on most models, our inverters allow you to take advantage of the more balanced power of a 240 volt generator.

Buy with ease: All inverter/chargers are backed by a three-year (36-month) or two-year (24-month) limited warranty.

Accessories to customize systems: Available accessories include remote controls, AGS modules, fuses, and series stacking cable kits. And our accessories line utilizes a more consistent design from one product to another. Learn our easy-to-use remote for your home, boat, and RV.

Field repairable: You probably won't have any problems with a Magnum product, but if you do, our units are field repairable, saving you time and money if your unit ever needs service.

The Powerful Difference



Inverter/Charger Feature Comparison

Key ✓ Standard on all models O Available on some models M Maybe, ask your dealer

Feature Comparison	Comparable Inverter/Chargers	Magnum's Inverter/Chargers
Power Factor Corrected (PFC) Charger		✓
Dead Battery Charging	M	✓
AGS Option with Temperature and Volts	M	✓
Network Compatible	O	✓
60 Amp Transfer Relay (Dual 30 Amp input/outputs)		O
Lighter Weight (Up to 20% lighter)		✓
Line Sync Transfer (Faster transfer)		✓
Dual In / Dual Out		O
Branch Rated Output Breakers (Opt)	O	✓
Standard Platform (2k - 4.4k)	O	✓
H Bridge Technology	M	✓
Service Friendly Modular Design		✓
Die Cast Aluminum Base (Better cooling)		✓
Bulkhead Mount	M	✓
Shelf and Under Shelf Mount		✓
Five Stage Charger (Bulk, Absorb, Float, EQ, Battery Saver™)	Three stage	✓
Battery Temperature Sensor Included	M	✓

Performance and Mechanical Comparison

Automatic Reset from Low Battery Fault	✓	✓
Output Voltage Regulation at Rated Load 12 VDC		120 ± 6 VAC
Input Amps AC at Rated Charge Rate (100 Amp charger)	23 AAC	15 AAC
Dedicated Diagnostic Tools	✓ (LED indicators only)	✓ (LCD display)
Temperature Sensor Mounting Method Provided	✓ (Ring terminal)	✓ (Ring Terminal)
Charger Temperature Rating to Full Charge Rate	25 °C	40 °C (ME Series)
Inverter Temperature Rating to Full Power	25 °C	45 °C (ME Series)
Chassis Construction	.060 Steel	Diecast / Sheet Aluminum
Chassis Coating (Powder coated)	M	✓
Clean Internal Construction (Minimum hardware)	M	✓
Clean Point-to-Point Wiring	M	✓
Modular Design for Easy Service	M	✓
Gold-plated Low Voltage Connectors for Low Corrosion	M	✓
Internal / External Hardware Used (Stainless steel)	O	✓
Battery Connection Hardware (Stainless steel)	O	✓
AC Wiring Connections (Most models)	Flying Leads	Terminals Block
AC Wiring Compartment Access	Good	Excellent

Features of the Optional ME-RC Remote	Comparable Remotes	Magnum's Remotes
Two-line LCD Display	O	✓
"One Spin"™ User Friendly Remote		✓
Adjustable Charge Rate	O	✓
Adjustable Low Battery Cut Out	O	✓
Dedicated Inverter and Charger On/Off Buttons	M	✓
Lead Acid, AGM, AGM2, Gel, and Custom Battery Type	M	✓

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