

RV generator set Hybrid Quiet Diesel™ Series HQD 8/10, 12/15, 12/18



Cummins **Onan**

Performance you rely on.™



Weight, size and sound level

	8 power unit	12 power unit
Weight:	391 lb (177 kg)	485 lb (220 kg)
Size:	36.6 in x 23.6 in x 22 in (929.6 mm x 599.4 mm x 558.8 mm)	41.1 in x 24.1 in x 27 in (1043.9 mm x 612.1 mm x 685.8 mm)
	Transfer switch	Inverter
Weight:	17 lb (8 kg)	55 lb (25 kg)
Size:	12.6 in x 12 in x 4.4 in (320 mm x 304.8 mm x 111.76 mm)	21.1 in x 13.4 in x 6.4 in (535.9 mm x 340.4 mm x 162.6 mm)

	Readings at 10 ft (3 m)		
	No load	Half load	Full load
810HQD	56 dB(A)	63 dB(A)	66 dB(A)
1215HQD	59 dB(A)	63 dB(A)	69 dB(A)
1218HQD	59 dB(A)	63 dB(A)	69 dB(A)

- Meets National Park Service sound level requirements (60 dB(A) @ 50 ft) for use in national parks.
- Typical installation will further reduce sound level.

Models and ratings

Model	Hz	Generator mode watts*	Voltage	Phase	Inverter/boost watts
810HQDSA-6028A	60	7500/10000	120	1	3000/2500
1215HQDSB-6042A	60	12000/15000	120/240	1	3000/3000
1218HQDSB-6037A	60	12000/18000	120/240	1	6000/6000

* Boost watts added to generator set watts for peak performance. Duration depends on size/status of batteries.

Ambient conditions for rated power output with muffler and RV enclosure, per ISO 8528-1:

- Temperature: 77° F (25° C)

- Altitude: 500 ft (152.4 m), (99 kPa dry)

Typical power output change based on ambient conditions:

- Temperature: Power output decreases 1% for every 10° F (5.5° C) increase

- Altitude: Power output decreases 3.5% for every 1000 ft (305 m) increase

Ratings represent minimums. Actual performance may be significantly higher based on installation and operating conditions.

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Auto.
OK.
Done.

Cummins **Onan**
Hybrid Quiet Diesel



Performance you rely on.™



Experience A Revolutionary New RV Power System



Auto. OK. Done.

Here's how it works.

Say you're running two air conditioning units and the third unit kicks in. To handle the increased power demand, the HQD instantly and automatically draws the needed power boost from the batteries through the inverter.

Meanwhile, the diesel Power Unit ramps up its RPMs until it can handle the new steady-state power load. Once the short-term power peak is handled, the HQD stops

drawing power from the batteries. The Power Unit then takes over, supplying power to the coach and if excess power is available, it helps charge the batteries. When the power load drops, the Power Unit's RPMs automatically cycle back down. With the HQD, you'll always have power when you need it and you'll never waste energy when you don't.

The Cummins Onan Hybrid Quiet Diesel (HQD) system is not just a generator. It's not just an inverter. It's a revolutionary new RV electrical system that pulls power from the coach batteries to supplement the Power Unit (formerly called the generator) to meet peak demands. This allows the HQD to employ a smaller, lighter, quieter Power Unit. You get high-quality, pure sine-wave electricity from a power system that is 50% quieter and up to 20% more fuel-efficient than a typical generator. Only the HQD combines a Power Unit, Inverter, Transfer Switch and coach batteries into one cohesive system that automatically and seamlessly powers your motor home efficiently and effectively.

Best of all, you never have to think about it. Just press "auto" and the HQD runs itself. It senses power loads and draws from the Power Unit and coach batteries as needed to keep your air conditioning and appliances running smoothly. The HQD can be programmed with campground quiet hours so you don't have to worry about turning off your generator or maintaining your battery charge level.

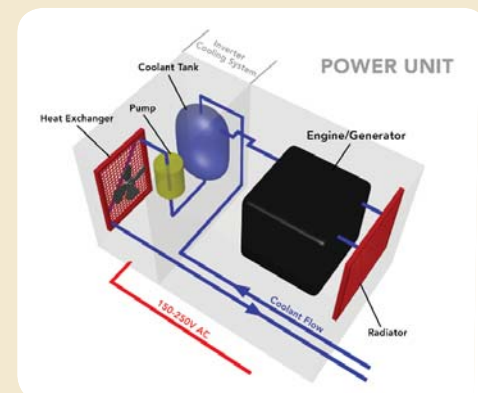
Next time you're in the market for a motor home, tell your dealer you want the best value and performance in your electrical system. Tell them you want the Cummins Onan Hybrid Quiet Diesel system.

Control Panel Features

- Simple Two-button Automode Setting (Auto. OK. Done.)
- Four Separate Control Panels Combined Into One
- Two Programmable "Quiet Time" Settings
- Ten-year Back-up Battery For Clock/Time Display
- Fault-History Storage For Easier Servicing

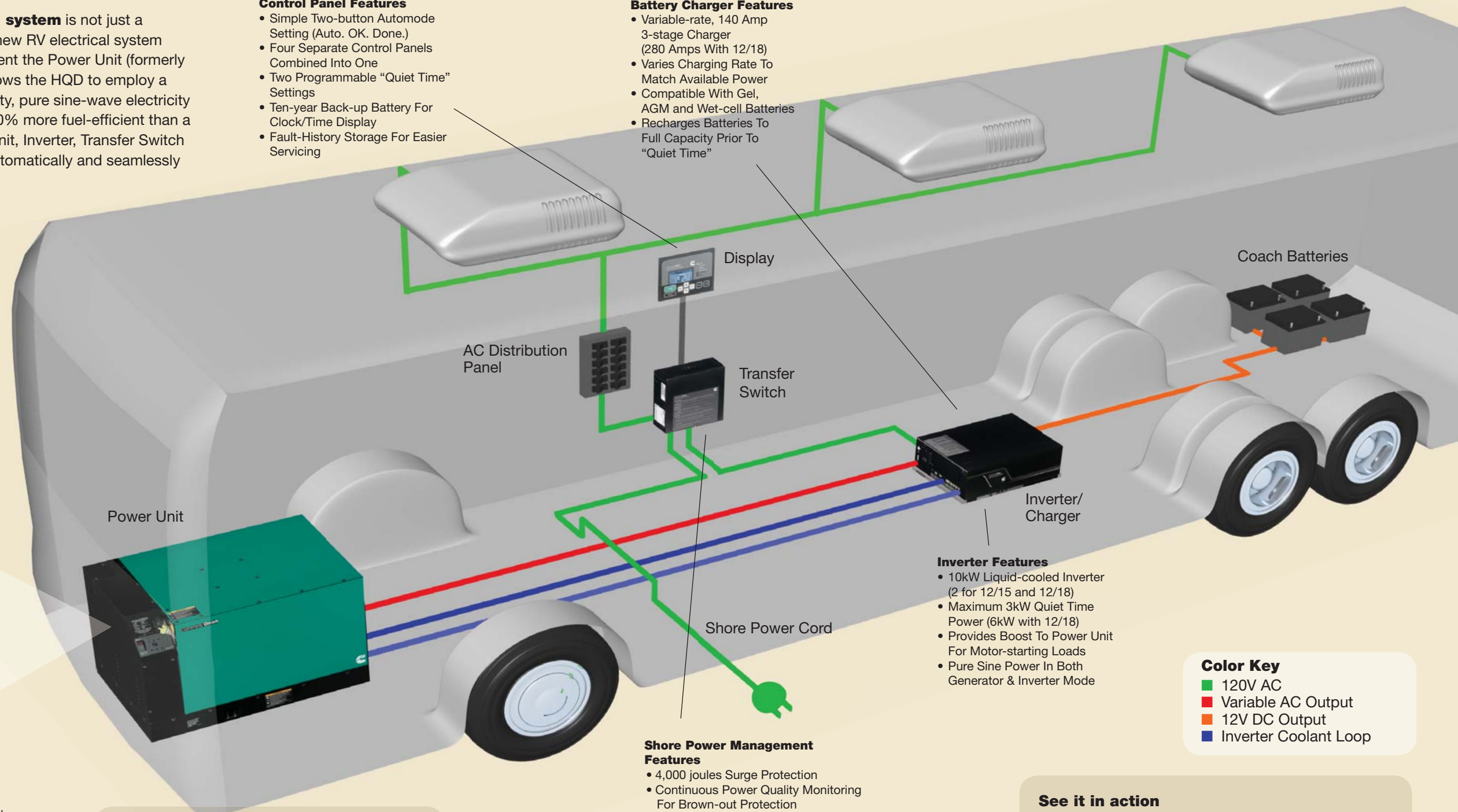
Battery Charger Features

- Variable-rate, 140 Amp 3-stage Charger (280 Amps With 12/18)
- Varies Charging Rate To Match Available Power
- Compatible With Gel, AGM and Wet-cell Batteries
- Recharges Batteries To Full Capacity Prior To "Quiet Time"



Power Unit Features

- 50% Quieter Variable-speed, Variable-output Generator
- Separate Inverter Heat-exchanger Section
- Inverter Heat Exchanger Operates Independently When Needed
- Shared, Single-point Fill, Coolant Tank
- Up to 20% More Fuel-efficient
- Up to 300 Lbs. Weight Savings



3-year Limited Warranty Supported by the Nationwide Cummins Onan Service Network.

Shore Power Management Features

- 4,000 joules Surge Protection
- Continuous Power Quality Monitoring For Brown-out Protection
- Auto Detection Of 30 or 50-Amp Shore Power
- RV-CAN Connection To Easily Add Compatible Displays/Equipment

Inverter Features

- 10kW Liquid-cooled Inverter (2 for 12/15 and 12/18)
- Maximum 3kW Quiet Time Power (6kW with 12/18)
- Provides Boost To Power Unit For Motor-starting Loads
- Pure Sine Power In Both Generator & Inverter Mode

Color Key

- 120V AC
- Variable AC Output
- 12V DC Output
- Inverter Coolant Loop

See it in action

Want to learn more? See a dynamic demonstration of the HQD in action at CumminsOnan.com/HQD