

Energy Command Wiring Detail

EC-20 Part # 018-02020

Accessories:

Connector (#018-01052)

Pins (#018-01074)

18" Pigtail (#044-00077)

25' Harness - QD Generators (#044-00076)

25' Harness - QG 7000, 6500, 5500, 4000,

3600 Generators (#044-00075)

25' Harness - QG 2800, 2500 Generators

(#044-00074)

EC-30 Part # 018-02030

Accessories:

Connector (#018-01052)

Pins (#018-01074)

18" Pigtail (#044-00077)

25' Harness - QD Generators (#044-00076)

25' Harness - QG 7000, 6500, 5500, 4000,

3600 Generators (#044-00075)

25' Harness - QG 2800, 2500 Generators

(#044-00074)

EC-30W Part # 018-03000

Accessories:

Y Harness - Diesel Generators

(#044-00088)

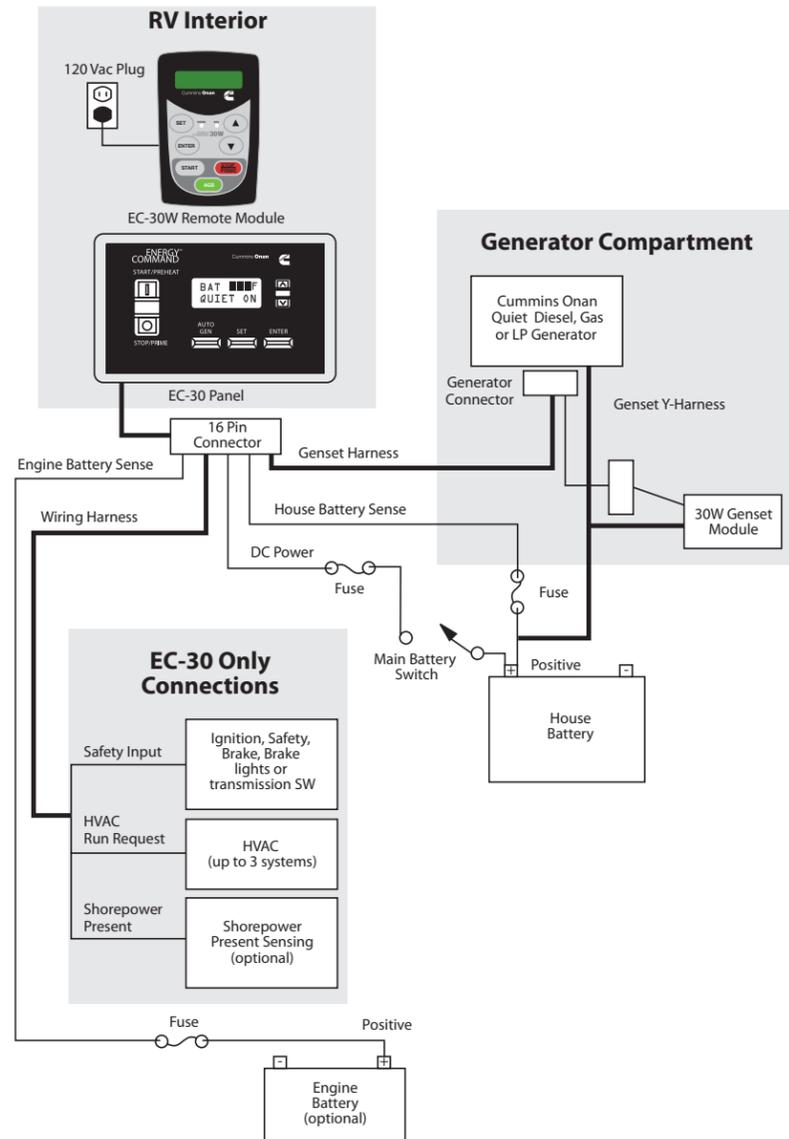
Y Harness - QG2500/2800 Only

(#044-00086)

Y Harness - Other QG Generators

(#044-00087)

Note: Energy Command controls are compatible with all current generation Cummins Onan generators and have settings for wet cell, Gel and AGM batteries.



Cummins Power Generation
1400 73rd Ave. NE
Minneapolis, MN 55432
USA

Phone 1 763 574 5000
Toll-free 1 800 888 6626
Fax 1 763 574 5298
Email www.cumminsonan.com/contact
www.cumminsonan.com

Cummins **Onan**



Energy Command Generator Controls



EC-30 Installed Auto Start
with Enhanced Features

Wireless

Easy
Installation

EC-30W
Wireless
Auto Start



ENERGY COMMAND™

EC-30W

Key Features:

- Battery condition monitoring and automatic charging.
- Programmable quiet times.
- The generator automatically starts to support air conditioner operation if a pre-set temperature is exceeded.
- Control module recharges when plugged into outlet.
- Plugged-in control module starts generator when shore power is lost and when a demand exists.
- Accelerometer disengages auto start if RV moves, to prevent generator from starting in unsafe conditions.

Best of all, since it's wireless, attachment of an easily-installed module on your Cummins Onan generator is all that's needed to add these handy features.

Wireless

Easy Installation



The EC-30W system is a portable, wireless generator monitoring and auto start system that can be easily added to your RV in just minutes.

EC-30

Key Features:

Energy Management

- Turns on the generator to meet air conditioning demands.
- Look-ahead battery top-off feature prior to "quiet time".
- Monitors battery levels and starts the generator to provide power to the inverter for battery charging.
- Computes battery status from historical and anticipated battery performance.
- Anticipates changes in usage to minimize both run time and start/stop cycling for less wear-and-tear on the generator.

Service Information

- Displays generator service maintenance reminders and diagnostic text messages for easy troubleshooting.

Enhanced Safety

- Safety inhibits automatic generator starting in unsafe conditions

Other Features Include:

- Digital generator hour meter
- Start/stop switch with digital readout
- Auto start/stop on low/full battery
- Inputs for up to three air conditioning system start requests
- Built-in memory for all programmable settings
- House battery bank state-of-charge gauge
- House battery bank voltage
- Engine battery bank voltage



Cummins Onan EC-30 Energy Command is a cost effective, full-featured auto generator start system for factory installation.

CUMMINS ONAN® ENERGY COMMAND™	20	30	30W
Battery Monitoring			
House battery bank state of charge gauge	•	•	•
House battery bank voltage	•	•	•
Engine battery bank voltage	•	•	
Generator Monitoring			
Digital generator hour meter	•	•	•
Manual start/stop switch	•	•	•
Service reminders	•	•	•
Diagnostic text messages	•	•	•
Automatic Generator Starting Functions			
Programmable "quiet time"		•	•
Look-ahead battery top-off feature prior to "quiet time"		•	•
Auto start/stop on low/full battery		•	•
Auto start/stop for up to three air conditioning systems		•	
Auto start on Internal Settable Thermostat			•
Built-in memory for all programmable settings		•	•
Safety Feature			
Safety start inhibit feature		•	•

Energy Command 30/20 Specifications

- Voltage: 8-35VDC (Suitable for 12V or 24V systems)
- Current: 0.05A @ 12V (With backlight on)
- Start/stop: Switch rated at 1.0 amp
- Control outputs: Rated at 1.0 amp

Energy Command 30W Specifications

- Operating voltage range: 2 to 5.5 Vdc
- Reverse polarity protected, short circuit protected
- RF transmitting frequency range: ISM 2.4 GHz
- Installed transmitter range: 150ft. maximum
- Estimated Transmitter battery life: 2-7 days depending on use
- Security: 1 in 10,000,000 chance of repeating codes