Energy Command Wiring Detail

**EC-20** Part # 018-02020

Accessories:
- Connector (#018-01052)
- Pins (#018-01074)
- 18” Pigtail (#044-00077)
- 25” Harness - QG 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 - QG 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 (#044-00086)
- Y Harness - QG2500/2800 Only (#044-00086)
- Y Harness - Other QG Generators (#044-00087)

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

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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 exchanges when plugged into outlet.
• Plug-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.

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 trouble-shooting.

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
• Outputs 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

Energy Command 30/20 Specifications
• Voltage: 8-35VDC (Suitable for 12V or 24V systems)
• Current: 0.05A @ 12V (With backlight on)
• 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

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.

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