

BLACK START SERIES

LCC Wind Turbine Governors



Manufacturers of turbine controls and instruments since 1977.

Wind Turbine OEM Supply Blade Pitch Control Governors with Black Start Capability

LCC Black Start Series Wind Turbine Governors are available to wind turbine manufacturers only in production lot runs. Features include:

- * Self-Powered by LCC Constant-Voltage Variable Speed PMG (patent pending)
Not dependent upon grid voltage, full black-start capability.
- * Inverse Roller Screw Blade Pitch Electric Actuators
Single or Dual Blade Pitch Drive Actuators, Multiple Model Sizes
- * 2-of-3 Auctioned Redundant Processors
Control processor redundancy yields fault tolerance.
- * Grid Data Options
Grid control and test command serial I/O included.

NOTE: Model designations refer to PMG power supply rating and electric actuator specifications. All models utilize the same 2-of-3 auctioned processor electronics.

- Model 100: Blade Pitch Actuator Forces Less Than 200 lbf
- Model 110: Blade Pitch Actuator Forces 200 to 500 lbf
- Model 120: Blade Pitch Actuator Forces 500 to 750 lbf
- Model 130: Blade Pitch Actuator Forces 750 to 1200 lbf

Let LCC quote an advanced Black Start Series Governor for your Wind Turbine Generators for a proven, digital, redundant, and low-maintenance design.

Contact LCC for a quotation worksheet file exchange.