

# Murphy Generator Control Panels



## MGC Panel Line Benefits:

- Full compliment of options
- High quality construction and components
- Standard panels shipped in 2 weeks or less
- Competitive pricing

# Product Overview

## MGC50



### AUTO START

- Cascade controller
- AC voltage
- Hourmeter
- Power on-off switch (toggle)
- Small enclosure

### MANUAL START

- Start method (select one)
  - Key start module with first out annunciation (removes power switch)
  - Key switch & 518 Tattletale
  - Key switch with pre-heat & 518 Tattletale
  - Push button & 518 Tattletale
- Voltmeter
- Hourmeter
- Small enclosure

### OPTIONS

- Relay for alarm outputs
- Note:** Minimal options available due to enclosure space constraints, consult IPD for availability

## MGC100



### AUTO START

- Cascade controller
- Gages for oil pressure and water temperature (mechanical or electric), compatible with Murphy or VDO senders
- AC metering – volts, amps, hertz
- Phase selector switch (3 phase)
- Hourmeter
- Power on-off switch (toggle)

### MANUAL START

- Start method (select one)
  - Key start module with first out annunciation (removes power switch)
  - Key switch & 518 Tattletale
  - Key switch w/pre-heat & 518 Tattletale
  - Push button & 518 Tattletale
- Gages for oil pressure and water temperature (mechanical or electric), compatible with Murphy or VDO senders
- AC metering – volts, amps, hertz
- Phase selector switch (3 phase)
- Hourmeter
- Power on-off switch (toggle)

### OPTIONS

- DC voltmeter
- Relays for alarm outputs
- NEMA 4 enclosure
- Electric senders – 100 PSI & 250°F 1/2 inch port
- Electric senders – 100 PSI & 320°F M14 port (Deutz engines)
- Quick disconnect and wiring harness
- Energized to stop (auto start only)
- E-stop (mushroom style)
- Phase selector switch (single phase applications)
- Current transformers

## MGC150



### AUTO START

- Cascade controller
- Provision for optional PVA gages or PowerView
- Quick disconnect (MEH harness required)
- AC metering – volts, amps, hertz
- Phase selector switch (3 phase)
- Hourmeter
- Power on-off switch (toggle)

### MANUAL START

- Start method (select one)
  - Key switch & 518 Tattletale
  - Key switch w/pre-heat & 518 Tattletale
  - Push button & 518 Tattletale
- PowerView
- Quick disconnect (MEH harness required)
- AC metering – volts, amps, hertz
- Phase selector switch (3 phase)
- Hourmeter

### OPTIONS

- PowerView
- PVA gages – oil pressure, water temp, DC volts, tachometer (select up to 3)
- MEH wiring harness
- Relays for alarm outputs
- NEMA 4 enclosure
- E-stop (mushroom style)
- Phase selector switch (single phase applications)
- Current transformers

\* Some panels shown with optional equipment installed. All models include fuses, fuse block and wiring.

Our Murphy Generator Control line features standard panels for all levels of use, from basic manual start to full-featured auto-start. Each standard panel is designed for maximum flexibility, allowing you to customize the instrumentation to fit your specific application. You get plenty of options, but with the short delivery time of pre-engineered panel.

## MGC300

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### AUTO START

- iGUARD controller
- Volts adjust potentiometer
- Speed adjust potentiometer
- Run/idle switch
- E-stop
- Basic I/O wired to terminal strip

### OPTIONS

- Misc. senders and end devices
- MEH wire harness
- Remote relay board(s)
- Remote annunciator(s)
- Current transformers
- NEMA 4 enclosure
- Expanded alarms and shutdowns
- Custom text for digital inputs
- Custom splash screen
- Display heater for operation down to -40°C

## MGC350

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### AUTO START

- iGUARD controller
- Volts adjust potentiometer
- Speed adjust potentiometer
- Run/idle switch
- E-stop
- Basic I/O wired to terminal strip

### OPTIONS

- Misc. senders and end devices
- PVA gages
- MEH wire harness
- Remote relay board(s)
- Remote annunciator(s)
- Current transformers
- NEMA 4 enclosure
- Expanded alarms and shutdowns
- Custom text for digital inputs
- Custom splash screen
- Display heater for operation down to -40°C

## MGC25

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### AC METER MODULE

- AC metering
  - Volts
  - Amps
  - Hertz
- Phase selector switch
- Hourmeter
- Compact enclosure – horizontal style
- Optional current transformers

Can't fit exact requirements into one of our standard panel offerings? Our Industrial Panel Division can deliver a custom-designed solution quickly and efficiently.

# Components Overview



## Cascade

The Cascade controller offers basic genset auto start/stop features for mechanical or electronic engines. Cascade's stringent design specs and rugged housing insure reliability in the most demanding applications.



## iGUARD™

The iGUARD controller offers full featured capabilities and the flexibility to fit most any genset application, including both mechanical and electronic engines. The 64 x 128 pixel LCD screen displays a host of vital information, including engine and generator parameters, warnings, shutdowns, maintenance intervals and engine fault codes.



## PowerView™

The PowerView is a multi-function tool that displays many engine operating parameters and fault codes. The PowerView is optional on the MGC150 panel for use with electronic engines.



## Keystart 9611

The Keystart 9611 offers first-out indication for manual start genset applications. Optional on MGC50 and MGC100 panels.



## MEH Wiring Harness

The MEH wiring harness and quick disconnect feature allows for accurate and easy connectivity to electronic engines. This optional harness is available for the MGC150, MGC300 and MGC350 panels.



## AC Meters

These standard meters for the MGC line with attractive new looks are DIN mounted: 72mm for volts, amps, hertz; 48mm for hours.

## Enclosure Features

Durable, NEMA 1, steel construction enclosure features a powder coat black finish for superior corrosion resistance. Shock mounts are provided with each enclosure.

## FW Murphy

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