



**BRAND  
POWER**

## Meeting Customer Needs Through Flexible Product Offerings

### EasYgen-3200

#### supplied by FG Wilson Solutions

The EasYgen-3200 is a versatile generating set control adaptable to every application.

- ❑ Controls up to 32 generating sets connected in a network with automatic sequencing
  - Load management features, including:
    - Automatic base loading
    - Peak shaving
    - Import/export control
    - Emergency power/backup power generation
- ❑ User-friendly control unit:
  - Intuitive user guidance via the 5.7" LCD display
  - Various selectable languages
- ❑ Easy Configuration - Select from four different operating modes:
  1. *Measuring transducer/engine control*  
For engine start/stop and generating set measuring and protection No breaker control
  2. *1-breaker-control [GCB open]*  
As above plus "GCB open" breaker control as generating set protection
  3. *1-breaker-control [GCB open/close]*  
As above plus full generating set breaker control for standby power applications and generating set soft loading and unloading
  4. *2-breaker-control [GCB/MCB open/close]*  
As above plus AMF, open/closed transition and interchange load transfer applications
- ❑ Intuitive user guidance  
320×240 pixel graphical interactive 5.7" LCD display with soft keys
- ❑ Three Analogue inputs can be freely configured (adaptable for use with each type of sender) as:
  - VDO
  - Resistive Input
  - 0/4 to 20 mA
- ❑ Free configurable speed and voltage bias outputs
- ❑ Flexible, isolated CAN bus allows networks for multiple uses
- ❑ Modbus RTU Protocol, RS-485
- ❑ ECU monitoring and alarm management as well as remote start/stop and control commands
- ❑ Users can change the internal operation sequences of the control  
Create and/or modify monitoring and control functions



## Description

### Inputs / Outputs (I/Os)

The EasYgen-3200 provides the following I/Os:

- ☐ Two separate sets of 3-phase true r.m.s. voltage measuring inputs for the generating set and mains, and 2-phase busbar voltage
- ☐ 3-phase true r.m.s. generating set current/power
- ☐ 1-phase true r.m.s. current input freely configurable
- ☐ 1 speed input (magnetic/switching)
- ☐ 10 configurable discrete alarm inputs
- ☐ Up to 12 programmable discrete outputs
- ☐ Three configurable analogue inputs
- ☐ Two configurable analogue outputs
- ☐ Two CAN bus communication networks (up to 32 participants, isolated)
- ☐ Two serial ports supporting Modbus RTU Protocol, RS-485 and RS-232 (isolated)

### Protection

#### ☐ Generating Set

Over/under voltage, over/under frequency, unbalanced voltage, dead bus detection, overload, unbalanced load, reverse/reduced power, definite over-current and time over-current, inverse time over-current, measured ground fault, phase rotation

#### ☐ Engine

Over/under speed, battery over/under voltage, auxiliary excitation, speed/frequency mismatch

#### ☐ Mains

Load kVAr, over/under voltage, over/under frequency, phase shift, rotation field

Various additional monitoring functions for generating set, mains and engine values, breakers, analogue inputs, interfaces, battery and load sharing participants available.

### Additional Features

- ☐ Engine pre-glow or purge control
- ☐ Warm-up control via timer or coolant temperature
- ☐ Speed, frequency, voltage, power, reactive power and power factor set points via analogue input or interface
- ☐ Power and reactive power load sharing with up to 32 units including load-dependent start/stop
- ☐ Operating hours/start/maintenance counters
- ☐ Configurable trip levels/delays/alarm classes
- ☐ PC and/or front panel configurable
- ☐ Multi-level password protection
- ☐ Multilingual capability (English, German, French, Spanish, Chinese, Japanese, Italian, Portuguese, Turkish, Russian)
- ☐ Event recorder (300 events, First In / First Out (FIFO)) with real time clock (battery backed; min. 5 years)