

# HGM4100Z

## 低温发电机组控制器

LOW TEMPERATURE GENSET CONTROLLER



### 简介

适用于单台发电机组的自动化及监控系统，体积小，支持电喷机组或非电喷机组。适应极低温 / 高温 (-40~+70)°C 环境。

### 特点

- 132 × 64 LCD液晶显示
- 八种语言可选
- 应急开机功能
- 飞轮齿数自动识别功能
- 参数可直接在显示屏设置
- RS485通讯接口，支持MODBUS协议
- 适用50Hz/60Hz系统
- 可采集各种发动机参数和电参量
- 发电过压/欠压/过频/欠频/过流/过功率保护
- 燃油位传感器和可编程传感器可复用为开关量输入
- 多种起动条件可选
- 历史记录(99)，实时时钟，定时开关机功能

### Overview

It is used for the automatic control and monitoring system of single genset. The controller has compact structure, and supports ECU and non-ECU genset. AMF function is available. There are six models for various demand. Suitable for a wide operating temperature range of -40°C to +70°C.

### Features

- LCD display with 132 × 64 resolution
- Eight languages to select
- Emergency start function
- Automatic identification of flywheel teeth numbers function
- Parameters can be configured from front panel
- With RS485 communication port under MODBUS protocol
- Suitable for 50Hz/60Hz system
- Collect various engine parameters and electrical parameters
- With generator over/under voltage, over/under frequency, over current and over power protection
- Fuel level sensor and Flex. sensor can be multiplexed as digital inputs
- Multiple crank disconnect conditions are optional
- Functions of event log (max. 99 logs), real-time clock and scheduled start/stop

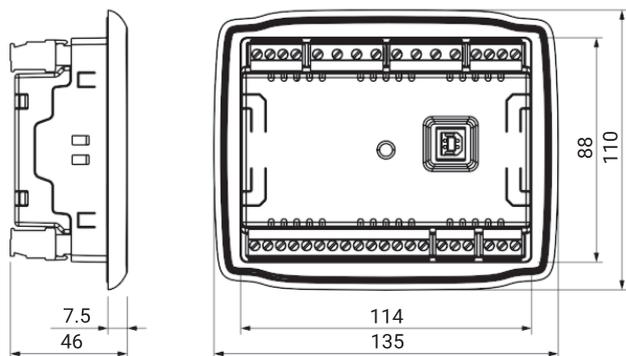


## ● 技术参数 Technical Parameters

直流供电 DC Power	DC(8~35)V连续供电 功耗: <3W(待机: ≤2W)	DC(8~35)V continuous power supply Power Consumption: <3W(Standby mode: ≤2W)
交流发电机 频率 Alternator Frequency	50Hz/60Hz	50Hz/60Hz
电压和电流 Voltage & Current	三相四线 AC(15~360)V (ph-N) 三相三线 AC(30~620)V (ph-ph) 单相二线 AC(15~360)V (ph-N) 二相三线 AC(15~360)V (ph-N) 额定: 5A	3P4W AC(15~360)V (ph-N) 3P3W AC(30~620)V (ph-ph) 1P2W AC(15~360)V (ph-N) 2P3W AC(15~360)V (ph-N) Rated: 5A
防护等级 IP Rating	IP65: 当控制器和控制屏之间加装防水橡胶圈时	IP65: when waterproof rubber gasket is installed between controller screen and enclosure
绝缘强度 Dielectric Strength	在交流高压端子与低压端子之间施加AC2.2kV电压, 1min内漏电流不大于3mA	Apply voltage of 2.2kVAC between AC high voltage terminal and low voltage terminal, and the leakage current is not more than 3mA in 1 minute
尺寸 Dimensions	外形尺寸: 135 × 110 × 46mm 开孔尺寸: 116 × 90mm	Overall Dimensions: 135 × 110 × 46mm Panel Cutout: 116 × 90mm
环境 Environment	工作温度: (-40~+70)°C 工作湿度: (20~93)%RH 贮存温度: (-40~+80)°C	Working Temperature: (-40~+70)°C Working Humidity: (20~93)%RH Storage Temperature: (-40~+80)°C

## ● 尺寸 Dimensions

单位(Unit): mm



## ● 端口 Ports

开关量 输入(3) Digital Input (3)	发电电压采样 Gen. Voltage Sample	CAN BUS	电流采样 Current Sample
			USB
直流工作 电源 DC Power	开关量输出(6) Digital Output (6)	模拟量输入(4) Analog Input (4)	转速 Speed
		RS485	