

HGM4000N系列 发电机组控制器

GENSET CONTROLLER



HGM4010N 系列



HGM4020N 系列

● 简介

HGM4000N 系列发电机组控制器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，AMF 功能。6 种型号可选，可根据需求选择。

● 特点

- 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
- 两个开关量输入口可复用为模拟量输入
- 多种启动条件
- 历史记录，实时时钟，定时开关机功能，最大存储99条历史记录
- 132×64分辨率LCD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

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 engines. AMF function is available. There are six models for various demand.

Features

- 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
- Two digital input ports can be multiplexed as analog inputs
- Multiple crank disconnect conditions
- Functions of event log (max. 99 logs), real-time clock and scheduled start/stop
- 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 support MODBUS protocol

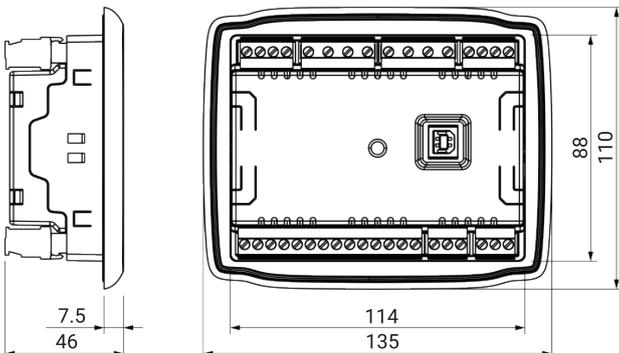


● 技术参数 Technical Parameters

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: (-25~+70)°C 工作湿度: 相对湿度(20~93)%RH 贮存温度: (-25~+70)°C	Working Temperature: (-25~+70)°C Working Humidity: (20~93)%RH Storage Temperature: (-25~+70)°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	市电电压采样 (HGM4020N/4020NC/4020CAN) Mains Voltage Sample		电流采样 Current Sample	
				USB	
直流工作 电源 DC Power	开关量 输出(6) Digital Output (6)	D+	模拟量 输入(4) Analog Input (4)	CAN BUS (HGM4010CAN/ 4020CAN)	转速 (HGM4010N/4010NC/ 4020N/4020NC) Speed
				RS485 (HGM4010NC/ 4010CAN/ 4020NC/4020CAN)	