

HGM9420N/HGM9420LT

发电机组控制器

GENSET CONTROLLER



简介

可用于单台发电机组自动化控制，强大的硬件配置可实现单机自启动 /AMF/ 同步切换 / 云监控功能，适配电喷机组和非电喷机组。HGM9420LT 可在 -40°C环境下工作。

特点

- 240 × 128LCD液晶显示，支持PC软件写入语言包，内置16种语言包
- 两个RS485和一个RJ45以太网口通讯接口，支持MODBUS协议
- Fn功能键，可设置为面板上其他功能按键的功能或Fn键功能
- 同步切换功能
- 油压传感器、液位传感器、可编程1传感器、可编程2传感器支持电阻、电压和电流型传感器
- 历史记录、实时时钟、定时开机和定时不开机
- USB Host接口，可插入FAT32格式的U盘存储数据和导入导出配置文件
- CAN(2)接口或RS485(2)接口实现两台机组循环开机功能，主机运行时间和备机运行时间可设置
- 自定义监控数据通信协议地址
- 可选配网络通信模块与云服务器连接，ETHERNET接口也可实现与云服务器连接
- 网络通信模块支持SMS功能，可向设置的5个手机号发送报警信息或查询机组状态
- 黑匣子功能，可记录5条停机前1分钟の詳細数据

Overview

It is used for automatic control of single genset to realize automatic start/AMF/synchronous transfer/cloud monitoring, and is compatible with both ECU and non ECU genset. The HGM9420LT can operate in environments as low as -40°C.

Features

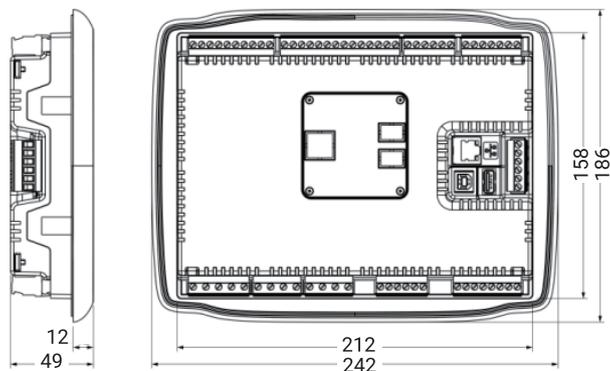
- 240 × 128 LCD display, supports language pack upload via PC software, with 16 built-in language packs
- 2 RS485 ports and 1 RJ45 Ethernet communication port, supporting the MODBUS protocol
- Fn key can be set to other key function on the panel, or Fn key function
- Synchronous transfer function
- Oil pressure sensor, level sensor, flexible sensor 1, flexible sensor 2 inputs can support resistance, voltage, or current sensor
- Event log, real-time clock, scheduled start/not start
- A USB Host port, where U flash of FAT32 format can be inserted, can put controller configured parameters to the controller, or save controller parameters to the U flash
- Through CAN (2) port or RS485 (2) port cycle start function of two gensets can be realized; master run time and backup run time can be set
- Monitoring data communication protocol address is customized by users
- A network communication module is optionally available for connection to the cloud server, and the ETHERNET port can also be used to connect to the cloud server.
- The network communication module supports SMS function, allowing it to send alarm messages or query unit status to up to five preset mobile numbers
- Black box function can record 5 items of detailed data from the last minute before shutdown



直流供电 DC Power	DC(8~35)V连续供电, 直流反接保护 功耗: <7W(待机: ≤2.5W)	DC(8~35)V continuous power supply,DC reverser protection Power Consumption: <7W(Standby mode: ≤2.5W)
DC直流电压 DC Voltage	范围: DC(0~100)V 分辨率: 0.1V 精度: 1%	Range: DC(0~100)V Resolution: 0.1V Accuracy: 1%
交流电压 AC Voltage	相电压 范围: AC(15~360)V(ph-N) 分辨率: 0.1V, 精度: 0.5% 线电压 范围: AC(30~620)V(ph-ph) 分辨率: 0.1V, 精度: 0.5%	Phase Voltage Range: AC(15~360)V(ph-N) Resolution: 0.1V, Accuracy: 0.5% Line Voltage Range: AC(30~620)V(ph-ph) Resolution: 0.1V, Accuracy: 0.5%
防护等级 IP Rating	前壳: IP65, 当控制器和控制屏之间加装防水橡胶圈时 后壳: IP20	Front enclosure: IP65 when waterproof rubber gasket is installed between controller panel and enclosure Back panel: IP20
交流电流 Dielectric Strength	额定: 5A, 范围: (0~10)A 分辨率: 0.1A, 精度: 1%	Rated: 5A, Range: (0~10)A Resolution: 0.1A, Accuracy: 1%
尺寸 Dimensions	外形尺寸: 242 × 186 × 49mm 开孔尺寸: 214 × 160mm	Overall Dimensions: 242 × 186 × 49mm Panel Cutout: 214 × 160mm
温湿度 Temperature & Humidity	工作温度: HGM9420N (-25~+70)°C HGM9420LT(-40~+70)°C 工作湿度: (20~93)%RH 贮存温度: HGM9420N (-30~+80)°C HGM9420LT(-45~+80)°C	Working Temperature: HGM9420N (-25~+70)°C HGM9420LT(-40~+70)°C Working Humidity: (20~93)%RH Storage Temperature: HGM9420N (-30~+80)°C HGM9420LT(-45~+80)°C
标准和认证 Standards & Certificates	CE认证 振动: (5~8)Hz: 位移17mm (8~100)Hz: 4g (100~500)Hz: 2g IEC 60068-2-6 碰撞: 25g _n , 16ms, 半正弦 IEC 60255-21-2 冲击: 50g _n , 11ms, 半正弦 完成从三个方向的冲击测试, 每次测试总共有18个冲击 IEC 60068-2-27	CE Certification Vibration: (5~8)Hz amplitude=17mm (8~100)Hz: a=4g (100~500)Hz: a=2g (IEC 60068-2-6) Bump: 25g _n , 16ms, half-sine (IEC 60255-21-2) Shock: 50g _n , 11ms, half-sine apply shocks from three directions, and 18 shocks for the whole test (IEC 60068-2-27)

● 尺寸 Dimensions

单位(Unit): mm



● 端口 Ports

电源和急停 Power & E-Stop	开关量输入(10) Digital Input (10)	D+	转速 Speed	CAN BUS (2)	直流电压输入 DC Voltage Input
可扩展模块: Expansion Modules	DIN16 DOUT16 AIN8 AIN24 AIN16-M02	SGE02 (选配) Optional	ETHERNET		RS485 (2)
			USB		
			USB HOST		
开关量输出(12) Digital Output (12)	市电电压采样 Mains Voltage Sample	发电电压采样 Gen. Voltage Sample	发电&接地电流采样 Gen. & Ground Current Sample	模拟量输入(6) Analog Input (6)	DC+5V输出 DC+5V Output