

HGM9530N

发电机组并联控制器

PARALLELED GENSET CONTROLLER



简介

适用于多台同容量或不同容量的发电机组并联运行及单台发电机组恒功率与市电并网运行，丰富的硬件接口，强大的软件功能，支持控制器冗余功能，能够满足大型数据中心等对电源稳定性要求较高的应用场景。

特点

- 控制器冗余功能
- 并联/解列时负载软转移功能
- 可用于高压机组，内置接地开关控制逻辑
- 静态并联、黑启动、恒功率输出、均衡运行时间、经济油耗等模式
- 重载问询、非重要负载脱扣、虚假负载模式
- 调度开关机、剩余功率开关机
- 适配多种电喷发动机ECU通讯
- 历史记录999条，实时时钟，定时开关机
- 黑匣子记录，可记录5个报警时的机组数据
- 3个选择性配置
- 自定义协议内容功能
- 采集并显示发电电压谐波参数
- 下垂功能
- Fn多功能按键
- 以太网接口支持TCP Modbus和云监控功能
- PLC功能

Overview

It is designed for parallel operation of multiple gensets with similar or different capacities, as well as constant power and grid-connected operation of a single genset. With rich hardware ports and powerful software functions, it supports controller redundancy and can meet the requirements of high power stability applications such as large data centers.

Features

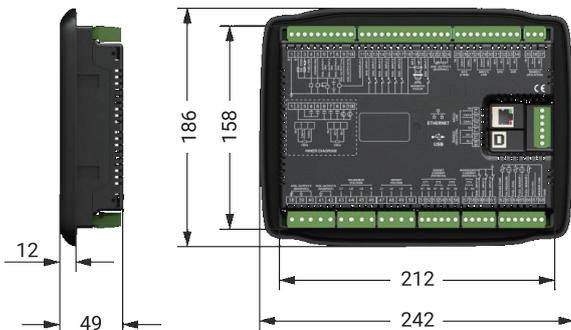
- Controller redundancy function
- Ramp on and ramp off function in paralleling/splitting
- Suitable for high voltage genset, built-in grounding switch control logic
- Various operation modes, such as static parallel, black start, constant power output, balanced running time, and fuel economy
- Modes of heavy load request, NEL trip and dummy load
- Scheduled start/stop, remaining power start/stop
- Suitable for the ECU communication of various J1939 engines
- Functions of event log (999 logs), real-time clock and scheduled start/stop
- Black box function allows to record the genset data of 5 alarms
- 3 alternative configurations
- Custom protocol content function
- Collect and show voltage harmonic parameters of generator
- Droop function
- Fn multi-function button
- Ethernet port supports TCP Modbus and cloud monitoring function
- PLC function



直流供电 DC Power	DC(8~35)V, 极限电压DC80V 分辨率: 0.1V, 精度: 1% 功耗: <7W(待机: ≤2.5W)	DC(8~35)V, limit voltage DC80V Resolution: 0.1V, Accuracy: 1% Power Consumption: <7W(Standby mode: ≤2.5W)
模拟量传感器 Analog Sensor	油压传感器和可编程1传感器输入可直接连接电阻型、电压型或电流型传感器, 其他传感器输入仅可连接电阻型传感器	Oil pressure sensor and auxiliary sensor input 1 can directly connect with resistance/current/voltage type sensors, and other sensor inputs can connect with resistance type sensors
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 AC Current	额定: 5A, 范围: (0~10)A 分辨率: 0.1A, 精度: 0.5%	Rated: 5A, Range: (0~10)A Resolution: 0.1A, Accuracy: 0.5%
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: (-25~+70)°C 工作湿度: (20~93)%RH 贮存温度: (-30~+80)°C	Working Temperature: (-25~+70)°C Working Humidity: (20~93)%RH Storage Temperature: (-30~+80)°C
标准和认证 Standards & Certificates	CE认证、UL认证 振动: (5~8)Hz: 位移±7.5mm (8~500)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、UL Certification Vibration: (5~8)Hz amplitude=±7.5mm (8~500)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+	CAN (3)	RS485 (2)	转速 Speed	GOV	AVR
可扩展模块: Expansion Modules DIN16 DOUT16 AIN8 AIN24						ETHERNET USB	
开关量输出(10) Digital Output (10)	母排/市电 侧电压采样 Busbar/Mains Volt. Sample	发电侧 电压采样 Gen. Volt Sample	发电&接地电流采样 Gen. & Ground Current Sample		模拟量输入(5) Analog Input (5)	+5V输出 +5V Output	