HAT9420LT
双电源切换控制器

DUAL POWER ATS CONTROLLER

● 简介

根据 S1、S2 电源状态及自投自复状态控制 ATS 切换，且具备并联转换功能，不间断供电。适用市电与发电供电系统。器件全国产化，可适应低温恶劣环境。广泛应用于电信、轨道交通、数据中心、智慧大厦、电站等供电要求高的场合。

Overview

Control ATS to transfer according to the S1/S1 power supply status, and auto transfer/auto restore status. It can realize parallel transfer and uninterrupted power supply. HAT9420LT is suitable for Mains-Gen power supply system. The components are 100% domestic, and it can withstand extreme low temperature environment. It can be widely used in telecommunication, rail transport, data centers, smart buildings, power stations and other occasions which requires high quality power supply.

● 特点

- 采集并显示负载有功功率、无功功率、视在功率、功率因数及电流
- S1/S2独立过流警告或故障报警
- USB从机接口，方便现场调试参数
- USB主机接口，方便现场程序升级、导入配置、导出运行状态、导出历史记录、导出黑匣子记录、导出配置
- 两路RS485，可遥控两台HGM8151Z发电机组开机、停机、遥控ATS合分闸，读取HGM8151Z状态信息
- 可控制两台发电机组，实现单机开机、主备开机、同时开机
- 电梯控制
- 自投自复、自投不自复，自复等待时间可设
- 电池电压检测
- 就地模式，控制器只显示不控制
- 实时时钟、历史记录(200)、黑匣子
- ETHERNET接口，应用ModBus UDP/IP通信规约，具有遥控功能，可遥控发电机组开机、停机、配置发电机组开机方式

Features

- Collect and display the active power, reactive power, apparent power, power factor and current of load
- Independent overcurrent warning or fault alarm functions
- USB slave port provides convenience for on-site debugging
- USB master port provides convenience for software upgrade, configuration import, running status/event log/black box/configuration export
- Two isolated RS485 ports allow the controller to control two HGM8151Z gensets to start/stop remotely, ATS close/open, and read the status information of HGM8151Z
- It can control two gensets to run into various operation modes, such as single run mode, master/standby run mode, and simultaneous run mode
- Elevator control
- Auto transfer/auto return, auto transfer/non-auto return, auto return interval can be set
- Voltage detection for battery
- Local mode, which means the controller can only display data parameters, but cannot control the ATS
- Functions of real-time clock, event log (200 records), and black box
- ETHERNET port under ModBus UDP/IP protocol, which makes the controller to control the genset start/stop remotely, and configure the genset start mode
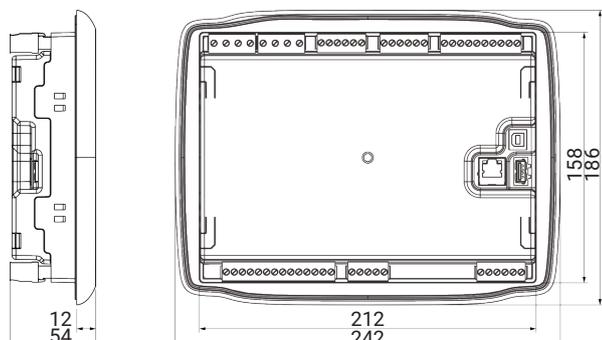
技术参数 Technical Parameters

SmartGen
EST.1998

电源 Power	工作电压：DC(8-35)V 整机功耗：<6W(待机方式：<3W)	Operating Voltage：DC(8-35)V Power Consumption：<6W(Standby mode：<3W)
交流电压采样 AC Voltage Sampling	三相四线(L-L)（80-625)V 三相三线(L-L)（80-625)V 单相二线(L-N)（50-360)V 两相三线(A-B)（80-625)V	3P4W(L-L)（80-625)V 3P3W(L-L)（80-625)V 1P2W(L-N)（50-360)V 2P3W(A-B)（80-625)V
通信接口 Comm. Port	两路RS485隔离接口，Modbus-RTU协议 ETHERNET接口，自适应10/100Mbps， Modbus UDP/IP通信协议 D型USB接口 USB-A主机接口	Two isolated RS485 ports under MODBUS protocol ETHERNET ports: Self-adaptable 10/100Mbps, Modbus UDP/IP communication protocol Type-D USB port USB-A master port
结构 Structure	外形尺寸：242 × 186 × 54mm 开孔尺寸：214 × 160mm	Overall Dimensions：242 × 186 × 54mm Panel Cutout：214 × 160mm
环境 Environment	工作温度：(-40~+70)℃ 工作湿度：(20~93)%RH 贮存温度：(-40~+80)℃ 防护等级：IP65 安规要求： 根据EN 61010-1安装类别(过电压类别)III， 300V，污染等级2，海拔3000米	Working Temperature：(-40~+70)℃ Storage Temperature：(20~93)%RH Working Humidity：(-40~+80)℃ IP Rating：IP65 Safety Requirements: Refer to EN61010-1 Category III (Overvoltage), 300V, Pollution Degree 2, altitude at 3000m
标准 Standards	振动：5~8Hz：位移±7.5mm 　　　8~500Hz：加速度2g 　　　IEC 60068-2-6 冲击：50g_n，11ms，半正弦 　　　IEC 60068-2-27 碰撞：20g_n，16ms，半正弦 　　　IEC 60255-21-2 设计标准： 满足GB/T14048.11-2016以及IEC/EN 60947-6-1	Vibration: 5-8Hz: amplitude=±7.5mm, 　　　　　8~500Hz: a=2g 　　　　　(IEC 60068-2-6) Shock: 50g_n，11ms, half-sine 　　　(IEC 60068-2-27) Bump: 20g_n，16ms, half-sine 　　　(IEC 60255-21-2) Design standards: Meet GB/T14048.11-2016 and IEC/EN 60947-6-1

尺寸 Dimensions

单位(Unit)：mm

端口 Ports

交流市电电压 AC Mains Voltage	交流发电电压 AC Gen. Voltage	电流采样 Current Sampling	可编程输出口(7) Aux. Output (7)	直流供电 DC Power
				从机USB Slave USB
			网口 ETHERNET	主机USB Master USB
开关量输入口(16) Digital Input (16)				RS485(2)