

## ● 技术参数 Technical Parameters

电源	DC Power Supply
工作电压: DC(8~35)V AC(90~305)V	Operating Voltage: DC(8~35)V AC(90~305)V
交流电压输入: 三相四线(L-N) (50~305)V	AC System: 3P4W(L-N) (50~305)V
单相二线(L-N) (50~305)V	1P2W(L-N) (50~305)V
二相三线(A-B) (80~530)V	2P3W(A-B) (80~530)V
额定频率: 50/60Hz	Rated Frequency: 50/60Hz

通讯方式	Comm. Port
两路RS485隔离接口, Modbus协议 D型USB接口	Two isolated RS485 ports under MODBUS protocol Type-D USB port

结构	Structure
外形尺寸: 260mmx180mmx54mm	Overall Dimensions: 260mmx180mmx54mm
开孔尺寸: 242mmx161mm	Panel Cutout: 242mmx161mm

环境	Environment
工作温度: (-25~+70)°C	Working Temperature: (-25~+70)°C
工作湿度: (20~93)%RH	Storage Temperature: (20~93)%RH
贮存温度: (-25~+70)°C	Working Humidity: (-25~+70)°C
防护等级: IP65	IP Rating: IP65

标准和认证	Standards & Certificates
认证: CE、ROHS	CE Certification
振动: 5Hz~8Hz: 位移±7.5mm 8Hz~500Hz: 加速度±4g IEC 60068-2-6	Vibration: 5-8Hz: amplitude=±7.5mm, 8Hz~500Hz: a=±4g (IEC 60068-2-6)
冲击: 50g <sub>n</sub> , 11ms, 半正弦 IEC 60068-2-27	Shock: 50g <sub>n</sub> , 11ms, half-sine (IEC 60068-2-27)
碰撞: 20g <sub>n</sub> , 16ms, 半正弦 IEC 60255-21-2	Bump: 20g <sub>n</sub> , 16ms, half-sine (IEC 60255-21-2)



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众智科技APP

# HAT821/HAT821S 两进线一母联控制器

## DUAL POWER BUS TIE CONTROLLER



### ● 产品简介

HAT821/HAT821S 两进线一母联控制器根据 S1、S2 电源状态, 实现两台进线开关和母联开关 3 合 2 自动转换, HAT821S 可实现并联转换, 不间断供电。广泛应用于电信、轨道交通、数据中心、智慧大厦等供电要求高的场合。

### ● 功能特点

- 4.3吋大屏显示
- 2路RS485设计, 可实现四遥功能
- 开关供电DPS输出
- 自投自复、自投不自复, 自复等待时间可设
- 负荷卸载控制, 转换前输出卸载信号
- 电梯控制
- 实时时钟、历史记录, 可循环记录200条数据
- 开关脱扣故障闭锁
- S1/S2弧光保护跳闸
- 在开关并联切换时, 自动解除电气联锁(仅HAT821S)
- 就地模式, 控制器只显示不控制
- 黑匣子

### Product introduction

HAT821/HAT821S Dual Power Bus Tie Controller can automatically transfer two incoming line switches and bus tie switches (3-in-2) according to S1 and S2 power supply status. And the HAT821S controller can realize parallel transfer and uninterrupted power supply. It can be widely used in telecommunications, rail transport, data centers, smart buildings and other occasions which requires high quality power supply.

### Performance Features

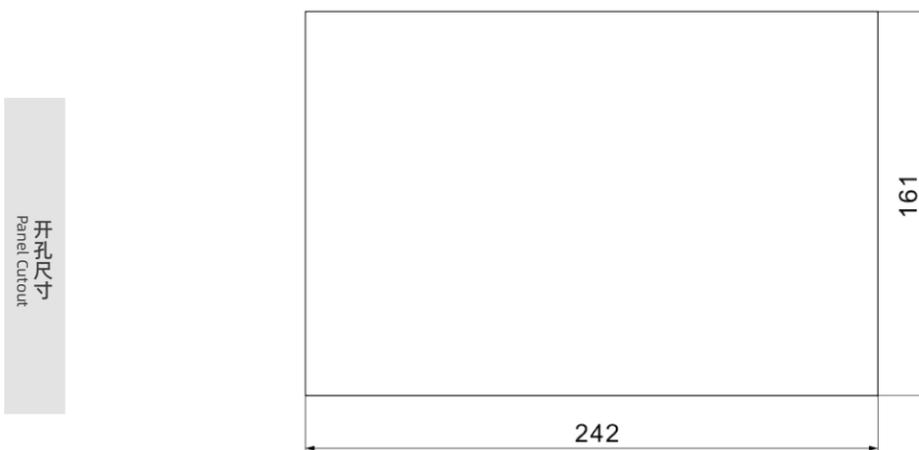
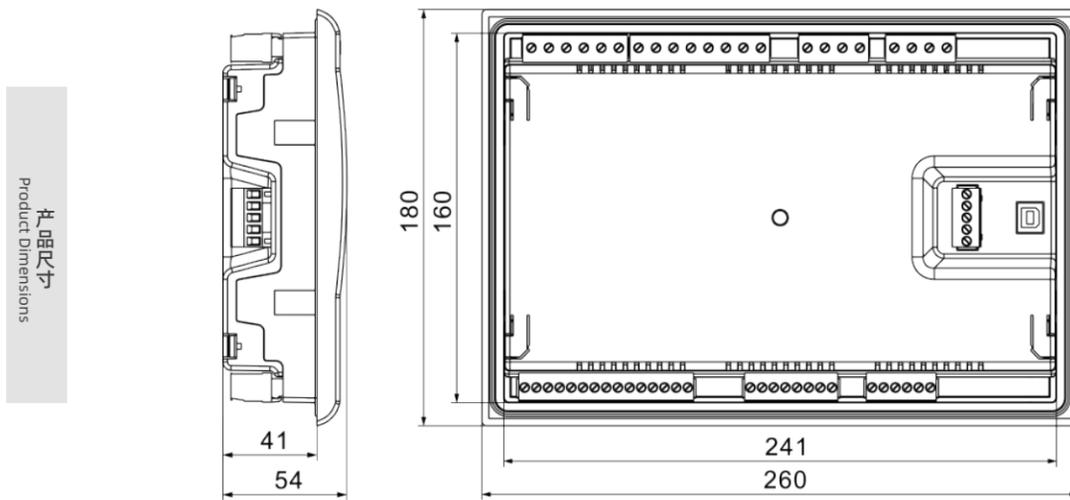
- 4.3-inch large size LCD display
- Two RS485 ports to realize "Four Remotes" function (remote control/measuring/adjusting/communication)
- DPS output of ATS power supply
- Auto transfer/auto return, auto transfer/non-auto return, auto return interval can be set
- Control of unloading, which outputs unloading signal before transfer
- Elevator control
- Real-time clock and event log, which can record up to 200 logs continuously
- ATS trip fault block
- Arc flash protection trip for S1/S2
- Automatic electrical interlock release function when the ATS is doing parallel transfer (only for HAT821S)
- Local mode, which means the controller can only display data parameters, but cannot control the ATS
- Black box



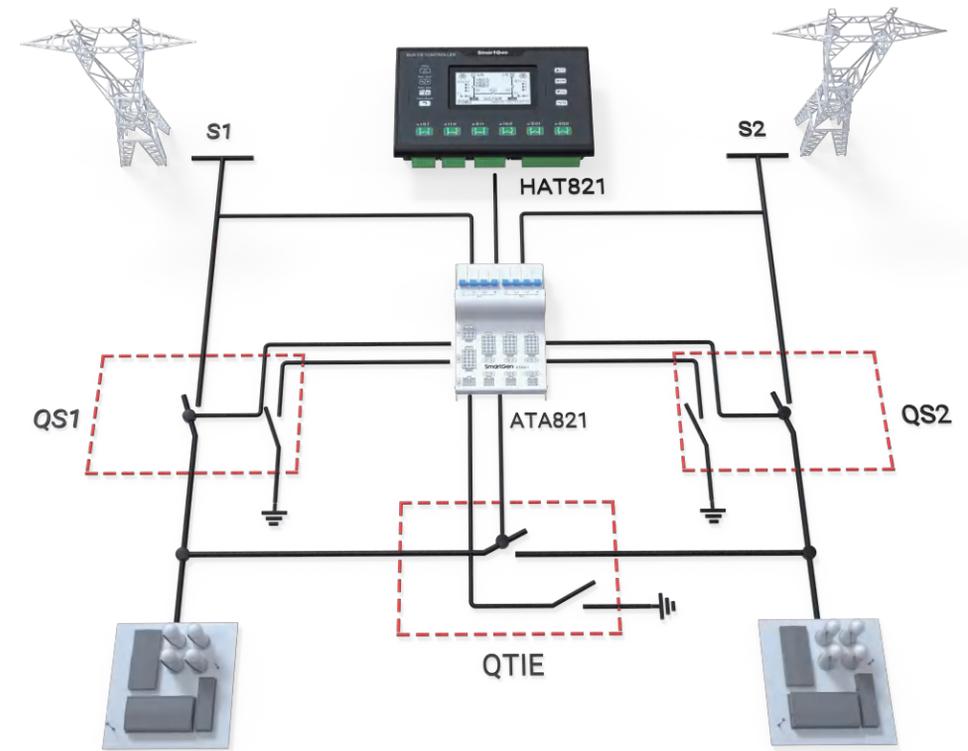
为具备多路电源的场合提供快速准确切换  
Fast and accurate switching for applications with multiple power supplies

● 产品尺寸 Product Dimensions

单位(unit): mm



● 产品应用 Product Applications



● 端口 Port

可编程输出口 (12) Aux. Output	DPS输出 DPS Output	S1电压采样 S1 Voltage Sampling	S2电压采样 S2 Voltage Sampling
		RS485 (2)	USB
直流供电 DC Power	一路合闸输入 QS1 Close Input	二路合闸输入 QS2 Close Input	母联合闸输入 QTIE Close Input
			可编程输入口 (8) Aux. Input