SmartGen众智

MAKING CONTROL SMARTER

股票代码 Stock Code 301361

PRODUCT CATALOGUE

产品选型样册

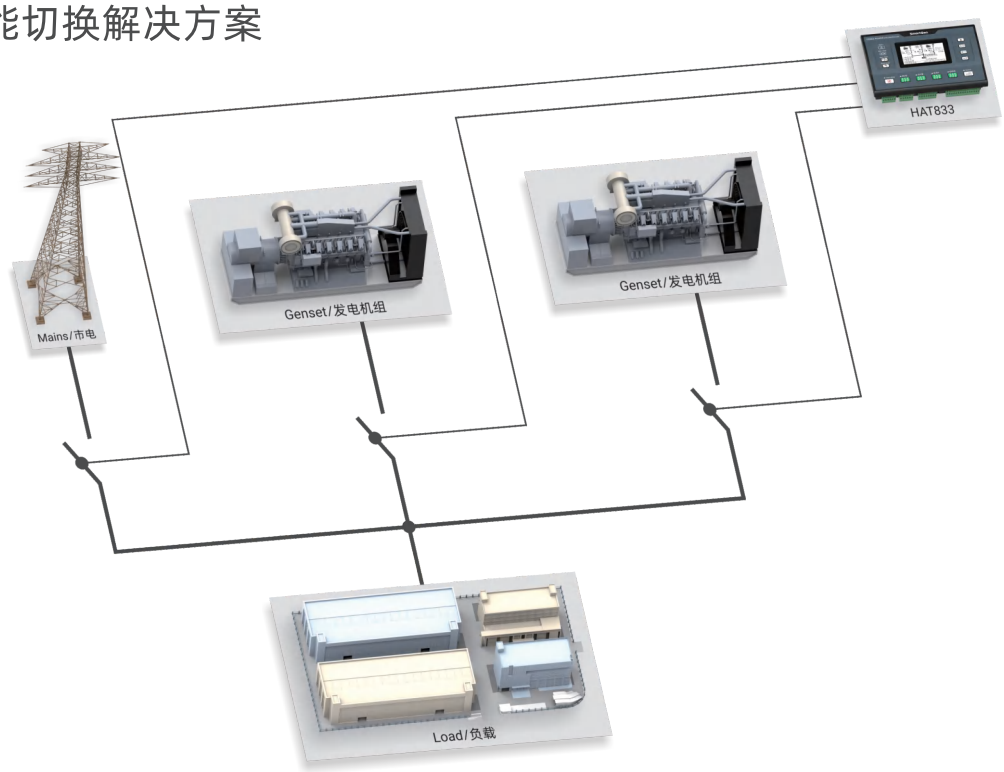
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MAKING CONTROL SMARTER 2026

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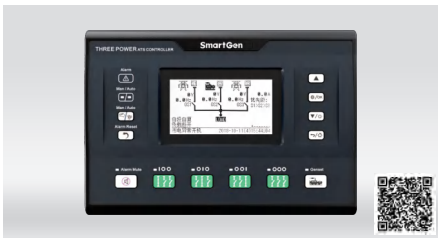
Three Power ATSE Solution
三电源智能切换解决方案



Suitable for three-way power supply three breakers control.
适用于三路电源三个断路器控制。



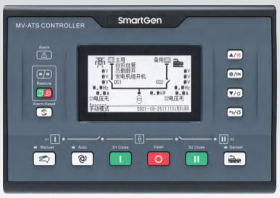
HAT832
Three Power ATS Controller 三电源自动切换控制器
Suitable for three power ATSE control system with two PC class ATS. 适用于两台PC级ATS开关组成的三电源智能切换控制系统。



HAT833/S
Three Power ATS Controller 三电源自动切换控制器
Suitable for three power ATSE control system with three breakers. 适用于三台断路器组成的三电源智能切换控制系统。



HAT835/S
Three Power ATS Controller 三电源母联智能切换控制器
Is intelligent tri-supply module with configurable function,automatic measurement, LCD display, and digital communication. 具有可编程功能、自动化测量、LCD显示、数字通讯为一体的三路电源母联切换模块。



HAT860/S
Medium Voltage ATS Controller
中压双电源自动切换控制器

HAT860 medium voltage ATS controller is the module integrates programmable function, automatic measurement, PT break wire detection, load stepwise transfer, LCD display and digital communication.

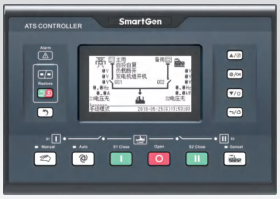
HAT860中压双电源自动切换控制器是具有可编程功能、自动化测量、PT断线检测、负载逐级投切、LCD显示、数字通讯为一体的中压双电源切换模块。



HAT828
High Speed ATS Controller
双电源快速切换控制器

HAT828 ATS controller is a dual power transfer module that can output switch transfer signals within 15ms in case of any power outage, and synchronously transfer when both power supplies are normal, It is applicable for two-stage switch of PC-class.

HAT828双电源快速切换控制器可在任一路电源断电的情况下实现15毫秒内输出开关切换信号，并且在两路电源均不断电时进行同步转换的双电源切换模块，适用于PC二段式切换开关。



HAT820/820S
Synchronous Switching Controller
双电源同步切换控制器

It can control various PC dual power switch, CB dual power switch. The controller can be powered by line voltage (L-L), with load voltage detection, temperature detection in cabinet, (fire cut) source input and other functions,HAT820S increase the short-time Synchronous switching function.

可控制各种PC级双电源开关，CB级双电源开关。控制器可以线电压(L-L)供电、具有负载电压检测、柜内温度检测、(消防切非)有源输入等功能，HAT820S增加短时同步切换功能。



HAT821/S/SI
Dual Power Bus Tie Controller
双电源母联自动切换控制器

Suitable for ATSE control system with two incoming lines and one bus-tie(low voltage backup automatic transfer).

适用于两进线一母联（低压备自投）的电源切换控制系统。



HAT880/880S
Dual Power Bypass Automatic Switching Controller
双电源旁路自动切换控制器

It can control various bypass switching, apply to single bypass, double bypass transfer switching, manual control or remote control (electrically operated) bypass switches; It has main/bypass switch button unlock and unlock status display function; It has main/bypass switch button manual control and automatic control switching function, and main/bypass switch status display.HAT880S has sychronous switch function.

可控制多种旁路开关，适用于单旁路、双旁路转换开关，手动控制或远程控制(电动操作)旁路开关。具有主/旁路开关按键解锁和解锁状态显示功能；具有主/旁路开关按键手动控制和自动控制投切功能，以及主/旁路开关状态显示。880S具有同步切换功能。

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ATSE CONTROLLER / 智能切换控制器



HAT9420LT
Dual Power ATS Controller
双电源切换控制器

It can 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. It is suitable for Mains-Genset power supply system. The components are 100% domestically produced. Its operating temperature is -40°C ~+70°C, which 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.

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，工作温度(-40℃~+70℃)，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。



HAT600P (PB/PI/PBI/PS)
Dual Power ATS Controller
双电源自动切换控制器

Dual power ATS controller suits for PC class, CB class, CC class switches and has USB, RS485 port and load voltage monitoring, NEL (Non-essential Load) trip functions. It can measure voltage, current THD (Total Harmonic Distrotion) and 3-21 odd harmonic component percentage.

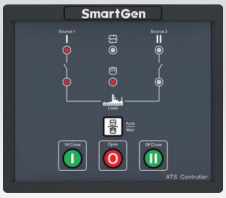
双电源自动切换控制器，适用于PC、CB、CC级开关，具有USB、RS485接口，具有负载电压监测、非重要负载NEL跳闸功能，可测量电压、电流波形畸变率和3-21奇数次谐波分量百分比。



HAT600R
Dual Power ATS Controller
双电源自动切换控制器

HAT600R series ATS controller has in-phase transfer, fast transfer, synchronous parallel transfer functions and can be used for PC/CB/CC class transfer witch.

HAT600R系列双电源自动切换控制器，具有同相位切换、快速切换、同步并联切换功能，可用于PC级、 CB级、CC级转换开关。



HAT530P/PC
Dual Power ATS Controller
双电源自动切换控制器

HAT530P/HAT530PC series ATS controller suits for two-stage/three-stage ATS control and has oil engine start signal output.

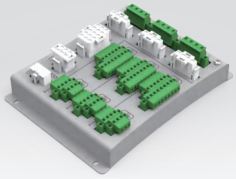
HAT530P/HAT530PC系列双电源自动切换控制器适用于控制二段式、三段式ATS开关，具有油机启动信号输出。



TPS31
Three Power Supply Module
三电源供电模块

Three-in-one AC power output, can accurately detect three phase voltage and judge for voltage abnormal situation and control power output.

三选一交流电源输出,可精确地检测三路电压，对出现的电压异常做出判断并控制电源输出。



ATA833
Three Power Switch Adaptor
三路电源开关适配器

The adaptor that suits for HAT833 three power ATS controller and intelligent breaker connection.

适用于HAT833三路电源自动切换控制器和智能断路器连接的适配器。



HAT553/HAT553LT

Dual Power ATS Controller
双电源自动切换控制器

Suitable for electromagnetic drive three-stage ATS switch, one-to-one wiring, Chinese and English display, standard RS485 interface.

适用于电磁驱动型三段式ATS开关，接线一对一，中英文显示，标配RS485接口。



HATC60

Dual Power ATS Controller
双电源自动切换控制器

With graphic LCD; monitors all AC system; suitable for SOCOMEC PC three-stage switch.

图形液晶显示模块；各种交流制式采样；适用于控制SOCOMEC型PC三段式开关。



HAT363C

Dual Power ATS Controller
双电源自动切换控制器

It is suitable for ATSE with two switching positions or one switching position. It can realize smart and precise monitoring and control function with MCU. OFF mode is added, and under this mode, the controller's opening or closing action is invalid.

可适用于两个分断位、一个分断位、无分断位开关，具有MCU智能精准监测和控制；增加OFF模式，该模式下控制器合分闸无效。



HAT160

Dual Power ATS Controller
双电源自动切换控制器

1P2W/3P4W voltage monitoring, suitable for one motor operation CB switch.

单相两线/三相四线电压检测，适用于控制 CB级单电操开关。



HAT310

Dual Power ATS Controller
双电源自动切换控制器

Generator single phase sampling, mains three-phase sampling, suitable for PC two-stage CC class ATS (continuous closed output).

发电单相、市电三相采样，适用于控制PC级两段式CC级ATS转换开关（合闸信号为持续输出）。

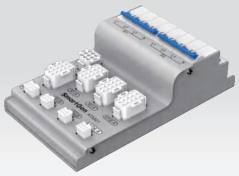


HAT320

Dual Power ATS Controller
双电源自动切换控制器

Mains three-phase 4-wire sampling, generator single phase voltage sampling, suitable for PC two-stage CC class ATS.

市电三相四线、发电单相电压采样，适用PC两段式、CC级开关



ATA821

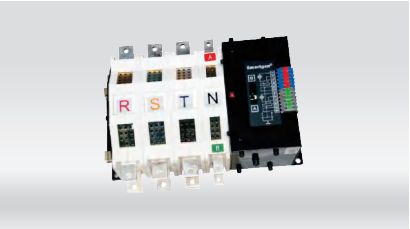
Bus Tie Dual Power Switch Adapter
母联型双电源开关适配器

It can connect the controller and the ACB secondary line through adapter, with simple and fast one-to-one wiring. It can realize the electrical interlock between the three switches, which is suitable for HAT821 bus tie controller.

通过适配器连接控制器和框架断路器（ACB）开关二次线，一对一接线简单快捷。并实现了三台开关之间的电气互锁。适用于HAT821 母联控制器。



N型/Type
SGQ63A-125A/4P



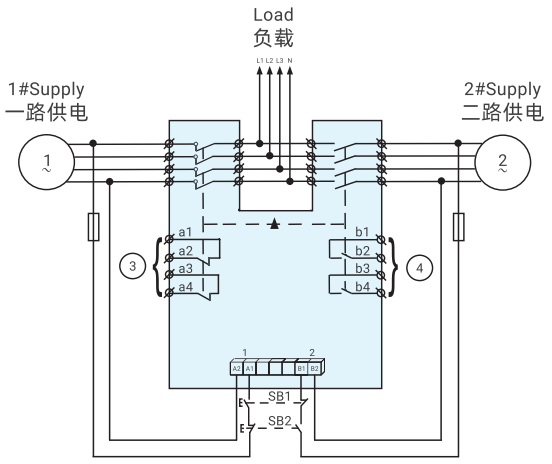
T型/Type
SGQ160A-630A/4P



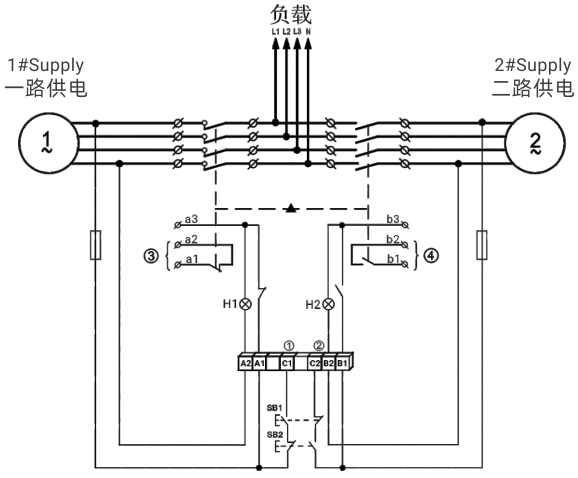
M型/Type
SGQ630A-1250A/4P

Model/型号		SGQ63N			SGQ125N			SGQ160T		SGQ200T		SGQ250T		SGQ400T		SGQ630T		SGQ630M		SGQ800M		SGQ1000M		SGQ1250M	
Rated Voltage 额定电压(V)		AC220V(176~265)V																							
Rated Current 额定电流(A)		63			125			160		200		250		400		630		630		800		1000		1250	
Operating Current 操作电流(A)		3.5						7										16							
Rated Limited Short Circuit 额定限制短路(KA)		35																32							
Poles/极数		2P	3P	4P	2P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
Operation Cycle (sec./times) 操作周期(秒/次)		15						10										15		20		25			
Operation Time 动作次数	Mechanical 机械	10000						8000										6000							
	Electrical 电气	4000						3000										3000							
Net Weight/重量(kg)		3.5	4	4.5	4	4.5	5.5	18	20	18	20	18	20	19	21	20	22	37	42.5	39	46	41	48	48	57
Case Dimensions 外形尺寸(mm)(4P)		228*186 *155			265*186 *155			375*292*146						405*292 *146		427*310 *146		600*280*345							
Mounting Hole Size (mm) 4P 安装孔尺寸(mm)4P		195*165			232*165			356*200						386*200		480*200		560*210							

Typical Application Diagram
典型应用图



N And T Type
N型和T型



M Type
M型



SGMA63A-630A
Dual Power Automatic Transfer Switch
双电源型自动转换开关

Model/型号	SGM(A)-63A /XP	SGM(A)-80A /XP	SGM(A)-100A /XP	SGM(A)-125A /XP	SGM(A)-160A /XP	SGM(A)-200A /XP	SGM(A)-250A /XP	SGM(A)-400A /XP	SGM(A)-630A /XP
Main Functions 主要功能	applies to the grounded power system of two neutral points, which requires AC400V 50/60Hz below, rated working current 16A~630A. Its structure is motor driven type, and there are three positions for the switch: normal (Ⅰ), spare (Ⅱ) and off (0). It can be used in the occasions where power failure is not allowed, such as high-rise buildings, medical heath, post and telecommunications, coal mine and ships, rail traffic, military and fire facilities. 适用于AC400V 50/60Hz以下、额定工作电流16A到630A的两中性点接地电源系统中，结构采用电机驱动型，该开关具有常用（Ⅰ）、备用（Ⅱ）及断开（0）三个位置。可用于高层楼宇、医疗卫生、邮电通讯、煤矿船舶、轨道交通、军事设施和消防设施等不允许断电的场合。								
Poles(P) 级数(P)	2极、3极、4极/2-p, 3-p, 4-p		3极、4极/3-p, 4-p						
Rated Current 开关额定电流	63A	80A	100A	125A	160A	200A	250A	400A	630A
Rated Working Volt. 额定工作电压	AC400V								
Rated Insul. Volt. 额定绝缘电压	690V								
Impulse withstand Volt. 额定冲击耐受电压	8 kV								
Category 使用类别	AC-33iB								
Short-time Withstand Current 额定短时耐受电流	10 kA							25 kA	
Rated SC Ability 额定短路接通能力	17 kA		20 kA		30 kA			50 kA	
Rated Control Supply 额定控制电源	AC230V								
I-II or II-I Contact Trans. Time 触头转换时间I-II 或II-I	0.6S±50%				1.0S±10%			1.5S±10%	
Operation Cycle Times 操作循环次数 Without Current 不通电流	8500				7000			3000	
Operation Cycle Times 操作循环次数 With Current 通电流	1500				1000				
Operation Cycle Times 操作循环次数 Total 总计	10000				8000			4000	
Net Weight/重量(kg)	2.3kg		3.9kg		8.7kg			21.7kg	
Case Dimensions 外形尺寸(mm)(4P)	230*115*130(L*W*H)		245*130*122(L*W*H)		295*175*175(L*W*H)			430*272*228(L*W*H)	

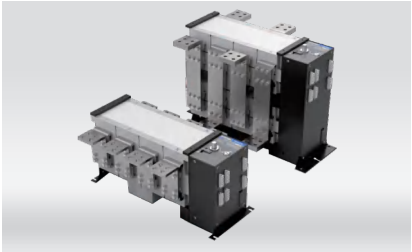
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ATSE / ATSE开关



SGQ2系列
Dual Power Automatic Transfer Switch
双电源自动转换开关

Model/型号	SGQ2-16A /XP	SGQ2-20A /XP	SGQ2-25A /XP	SGQ2-32A /XP	SGQ2-40A /XP	SGQ2-50A /XP	SGQ2-63A /XP	SGQ2-80A /XP	SGQ2-100A /XP
Main Functions 主要功能	The SGQ2 Series Automatic Transfer Switch is a new generation of PC-class two-position switch product integrating advanced digital electronic control technology. It is suitable for dual-power supply systems with AC400V, 50/60Hz or below, and rated operating current from 16A to 100A. The structure adopts an electromagnetic drive type, featuring compact size, attractive appearance, easy installation, and reliable dual interlocking protection. SGQ2系列双电源自动切换开关是结合先进数字电子控制技术的新一代PC级二段式开关产品，适用于AC400V 50/60Hz以下、额定工作电流16A至100A的双路供电电网中，结构采用励磁驱动型，具有体积小、外形美观、安装方便、可靠双重联锁保护等特点。								
Poles(P) 级数(P)	2极、3极、4极/2-p, 3-p, 4-p								
Rated Current 开关额定电流	16A	20A	25A	32A	40A	50A	63A	80A	100A
Rated Working Volt. 额定工作电压	AC230V(2P) / AC400V								
Rated Insul. Volt. 额定绝缘电压	800V								
Impulse withstand Volt. 额定冲击耐受电压	8 kV								
Category 使用类别	AC-33iB								
Rated Impulse Withstand Current 额定冲击耐受电流	5kA/30ms								
Rated SC Ability 额定短路接通能力	8 kA								
Rated Control Supply 额定控制电源	AC230V								
I-I or II-I Contact Trans. Time 触头转换时间	< 30ms								
Transfer Time 转换动作时间	< 100ms								
Power-off Time 断电时间	< 30ms								
Working Mode 工作模式	Auto Trans. Auto Restore/自投自复								
Electrical Class 电器级别	PC Class/PC级								
Normal Operating Range 正常工作范围	85%Ue~110%Ue								
Operation Mode 操作方式	Auto/Manual/自动/手动								
Switch Position 开关位置	Normal (I), Spare (II)/常用（Ⅰ）、备用（Ⅱ）								
Mechanical Life 机械寿命	8000 Operations/8000次								
Electrical Life 电气寿命	2000 Operations/2000次								



SGMA800-3200A
Dual Power Automatic Transfer Switch
双电源自动转换开关

Model/型号	SGMA-800A/XP	SGMA-1000A/XP	SGMA-1250A/XP	SGMA-1600A/XP	SGMA-2000A/XP	SGMA-2500A/XP	SGMA-3200A/XP
Main Functions 主要功能	applies to the system which requires AC400V 50/60Hz below, rated working current 800A~3200A. Its structure is motor driven type, and there are three positions for the switch: normal (Ⅰ), spare (Ⅱ) and off (0). It can be used in the occasions where power failure is not allowed, such as high-rise buildings, medical heath, post and telecommunications, coal mine and ships, rail traffic, military and fire facilities. 适用于AC400V 50/60Hz以下、额定工作电流800A到3200A的系统中，结构采用电机驱动型，该开关具有常用（Ⅰ）、备用（Ⅱ）及断开（0）三个位置，可用于高层楼宇、医疗卫生、邮电通讯、煤矿船舶、轨道交通、军事设施和消防设施等不允许断电的场合。						
Poles(P) 级数(P)	3极、4极/3-p, 4-p						
Rated Current 开关额定电流	800A	1000A	1250A	1600A	2000A	2500A	3200A
Rated Working Volt. 额定工作电压	AC400V						
Motor Working Volt. 电机工作电压	AC220V(175-277)V						
Rated Insul. Volt.Main Circuit 额定绝缘电压主回路	AC800V						
Rated Impulse Volt. Main Circuit 额定冲击电压主回路	8kV						
Category 使用类别	AC-33iB						
Short-time Withstand Current 额定短时耐受电流	32 kA/60ms						
Rated SC Ability 额定短路接通能力	67.5 kA						
Transfer Time I-II or II-I 切换时间I-II 或 II-I	1.2S			1.8S			2.4S
Mechanical Life 机械寿命	3000 次/3000 times						
Electrical Life 电气寿命	500 次/500 times						
Net Weight/重量(kg)	36kg		37kg	38.6kg	55kg	61kg	67kg
Case Dimensions 外形尺寸(mm)(4P)	1080*352*390(L*W*H)		1080*368*390(L*W*H)	1080*376*390(L*W*H)	1080*423*560(L*W*H)	1080*433*560(L*W*H)	1080*443*560(L*W*H)