

经济型通用柜

Economical Superset

产品手册

Product manual



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智造精品
匠心巨献

温州雄威智能电器有限公司
WENZHOU XIONGWEI ELECTRIC CO.,LTD.

COMPANY INTRODUCTION

关于雄威

以市场为导向 Marketing As Guide ...

以客户为中心 Clients As Center ...

以服务为根本 Service As Foundation ...

国际、国内高端品牌中低压配电设备柜体供应商

Be Excellent Supplier of Domestic and International Type
High-end Switchgear Enclosure ...

温州雄威智能电器有限公司 位于温州市经济技术开发区，系温州德源电气有限公司旗下核心企业，公司致力于电力电气行业，以“打造电力精品，推动行业进步”为企业责任，专注于高端电气机柜市场，不断的通过技术创新及产品升级，持续地为国际、国内高低压成套电气行业企业提供优质的产品 & 精准的服务。公司主要生产自主研发的Superset(S柜)系列新型低压开关柜柜体和专门应用于ABB、施耐德、西门子开关元件的中低压配电设备柜体，产品广泛应用于国家大型重点工程及大中型工矿企业，深受顾客的信赖和好评；公司大量引进行业优秀人才和智能化生产设备，高度融合智能制造。公司以“引领行业，为电力工业服务”为使命；秉承“诚信、敬业、创新、共赢”的价值观不断开拓进取，携手国内外客户共创美好未来！



引进高低压成套设备柜体生产流水线
Imported High and Low Voltage Complete Switchgear Enclosure Production Line ...



具备完善的生产管理及质量保证体系
Perfect Production Management And Quality Assurance System ...



由中高级职称专业人员组成技术支持团队
Professional Senior Technical Support Team ...

Wenzhou Xiongwei Electric co., Ltd is located in Wenzhou E & T zone, the core enterprise of Wenzhou Deyuan Electric Co., Ltd. We are committed to the electric power industry, take the responsibility of "Create high-quality electric products, promote industry progress", focusing high-end switchgear enclosure, provides high quality products and precision service through technology innovation and product upgrading. Mainly manufacturing our own self-developed Superset series low-voltage switchgear enclosure and medium voltage switchgear components in ABB, Schneider, Siemens. It is widely used in the national large key projects and large and medium-sized industrial and mining enterprises with customer's trust and praise; We introduce large number of industrial talents and intelligent production equipment to highly integrated intelligent manufacturing. We take the mission of "Leading the industry, serving the power industry"; Adhering to the values of "Integrity, Dedication, Innovation, Win-Win", We continue to forge ahead, and work with domestic and foreign customers to create a better future!





核心价值观 Core Value

使命 Mission

引领行业、为电力工业服务
Leading The Industry And Serve For Power Industry

愿景 Vision

成为成套开关设备高端柜体卓越供应商
To Be The Preeminent Supplier In The High-end Switchgear Enclosures Industry

价值观 Values

诚信、敬业、创新、共赢
Integrity Dedication, Innovation And Win-win

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经济型通用柜 (400深抽屉)

Economical Superset (Depth 400 Drawer) ●●●



该柜型柜体是在GCK、MNS、GCS产品的基础上、吸收上述产品电气及结构优点、再进行了大量的二次开发、对上述产品结构及附件进行了充分优化整合，结构及电气参数可完全替代上述产品具有自主知识产权新型低压开关柜柜体，具有显著的“通用性”。

New type low voltage switchgear enclosure is secondary development on the basis of GCK, MNS, GCS series switchgear, which absorb the electrical and structural to optimize the integration all the accessories. The structure and electrical parameters can be totally replaced by our New Low Voltage Switchgear Enclosure, with significant "Universal"

外观造型 Appearance

- 外形美观、简约 Beautiful and Simple Appearance
- 配色满足客户 Colors to satisfy customers
- 个性化定制 Personalized customization
- 框架结构-连接稳固、成型精度高；
Frame structure – stable connection, high forming precision;

- 适应高耐受电流、标准C型材框架、C型材角部连接G型梁端头采用折弯叠扣一体式，安装精度和结构强度有所提高、采用一体式弯板和高强度固定螺钉，框架连接强度更可靠、框架结构选用标准C型材（厚度为25mm）
- Adapt to high withstand current, standard C-type section steel, C-type section steel corner connection G-beam end adopts bending and overlapping integrated type, installation accuracy and structural strength are improved, integrated bent plate and high-strength fixing screws are used, frame connection strength is more reliable, Frame structure in standard C-type section steel (thickness is 25mm)
- 注：经济型通用柜（400深抽屉）本公司按客户提供的电气方案设计制作，抽屉柜可以按全抽屉方案或固定分隔与抽屉式混合设计制作；
- Note: Economical universal switchgear enclosure (Depth 400mm drawer) as per clients electrical schemes, which can mixed type with withdrawable and fixed partion
- 抽屉单元-400mm深度标准化钣金，高度通用化，节约抽屉在柜内的安装空间，柜后预留更多进出线接线空间，便于客户现场进出线操作；电路连接绝对可靠，插拔轻便，工艺细节人性化；
- Drawer-depth 400mm in standardized sheet metal, with highly universal, saving drawer installation space, and reserves more space for incoming and outgoing wiring at the rear part of the switchgear, which is convenient for customers to operate incoming and outgoing wiring on site; The circuit connection is absolutely reliable, plug-in and unplug-out is easy, and the process details are humanized;

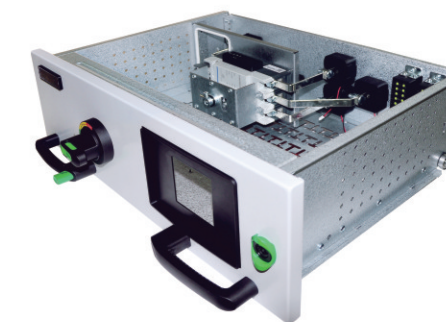


柜宽 (W) /Width	柜深 (D) /Depth	柜高 (H) /Height
1000	1000	2200
800	1000	2200
600	1000	2200
1000	800	2200
800	800	2200
600	800	2200
1000	600	2200
800	600	2200
600	600	2200

● 抽屉钣金工艺特色 / Drawer sheet metal process features

双折弯边可以解决板材毛刺伤手并提高板材强度、定位卡槽可以精准定位提高装配效率、钢铆钉铆接减少自攻钉头易伤手的缺陷。

Double bending edge can solve the burr of the plate and improve the strength of the plate, Accurate position of the card slot improve high efficiency when assembling, Steel rivet with self-tapping helps protecting hands.



1/2手拉机构抽屉

1/2 Hand-pull Operating Mechanism Drawer ●●●



- 1/2抽屉额定电流125A，二次线点数16、24、32
- 1/2 Drawer rated current 125A, secondary connectors in 16, 24,32 wires
- 1/2抽屉使用DLJ操作机构，配置全新的抽屉一次接插件、二次接插件、抽屉拉手、操作手柄；抽屉全金属侧板可拆卸、双折弯边、定位卡槽、铆钉铆接后折弯、绑线孔
- 1/2 drawers with DLJ operating mechanism, equipped with primary connectors, secondary connectors, drawer handles, and switch handles; Drawer all-metal side panels are removable, with double-bent edges, positioning slots, rivets riveted and bent, and wire binding holes
- 抽屉后板折弯采用前翻边，增大了抽屉引排和后板之间电气间隙，设置一定数量的二次绑线孔，确保抽屉布线一致性；
- The drawer rear plate is bent with front flange to increase the electrical gap between the drawer lead and the back plate, and a certain number of secondary wire binding holes are set to ensure the consistency of drawer wiring;

1/2手拉机构抽屉 1/2 Hand-pull Operating Mechanism Drawer

1/2手拉机构抽屉

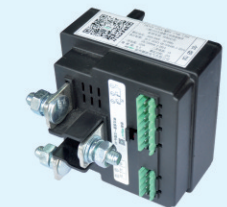
1/2 Hand-pull Operating Mechanism Drawer



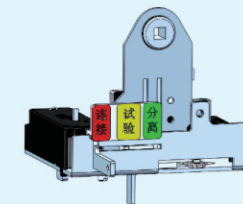
DL8.111 带按钮拉手
Handle with button



DSB8-001 开关小手柄
Switch handle



8E/2出线侧互感器插件
8E/2 Outgoing side transformer connectors



8E/2手拉机构
8E/2 Hand-pull operating mechanism



进线侧一次插件
Incoming Primary Connector



直插式二次插件
Plugged secondary connectors



手拉式机构抽屉

Hand-pull Operating Mechanism Drawer ●●●



- 1、抽屉额定电流：80A、125A、160A、250A。3P和4P方案齐全。
- 1. Drawer rated current: 80A,125A,160A,250A; with Complete 3P and 4P solutions.
- 2、手拉式抽屉使用DLS-6操作机构，配置全新的抽屉一次接插件（可选自带互感器插件）、二次接插件（最高可配置20对40线）、抽屉拉手、操作手柄、带拉手门锁；抽屉全金属侧板可拆卸、双折弯边、定位卡槽、铆钉铆接后折弯；
- 2. The hand-pull drawer is with DLS-6 operating mechanism, equipped with drawer primary connector (with transformer connectors), secondary connector (up to 20 pairs of 40 wires), drawer handle, operating handle, and door lock with handle; Drawer all-metal side panels are removable, with double-bent edges, positioning slots, rivets riveted and bent, and wire binding holes
- 3、抽屉后板折弯采用后翻边，增大了抽屉引排和后板之间电气间隙，设置一定数量的二次绑线孔，确保抽屉布线一致性，新型直插式二次插件的使用，使用户接线效率大大提高，降低生产成本；
- 3. The drawer back panel is bent with rear flange, which increases the electrical gap between the drawer lead and the back panel. A certain number of secondary wire binding holes are set to ensure the consistency of drawer wiring. With the direct plug-in secondary connectors, greatly improves the user's wiring efficiency and reduces production costs.
- 4、抽出式功能单元规格齐全，一次插件采用分体式插件，能与市场上所有开关相间距匹配，出线侧插件集成互感器模块，极大的减少抽屉空间的占用，同时节省大量的连接铜排，降低铜排加工成本；该方案能满足不同模数高度的抽屉需求，具有8E/4、6E/2、8E/2、6E、8E、12E、16E、24E等不同规格的抽屉；
- 4. Complete specifications of the withdrawable functional unit, primary connectors in split connector, which can match the pole distance of all switches. The outgoing side connectors integrates the transformer module, which greatly reduces the drawer space . while saving a large number of connecting copper bars and reducing the copper bar processing cost; This solution can meet the drawer requirements of different module heights, with different drawers specifications such as 8E/4, 6E/2, 8E/2, 6E, 8E, 12E, 16E, 24E, etc.

- 连接铜排成本低 Connecting copper busbars costs is lower
在不增加用户采购成本的前提下，该方案为用户节省较多的材料和生产成本：
Without increasing clients' costs, this solution can save users material and production costs:

抽屉规格 Drawer Specifications	电流等级 Current level	一体式插件抽屉 铜排用量(老方案) Integrated plug-in connectors drawer (Old Plan)	单极插件抽屉 铜排用量 Single-pole plug-in drawer copper bar usage	节省铜排 Economizing Copper Busbars	铜排规格(mm) Copper Busbars Specifications
400深200高	125A/3P	0.9kg	0.31kg	0.6kg	2.5*15
400深200高	250A/3P	1.13kg	0.5kg	0.6kg	3*20
400深400高	400A/3P	3.9kg	2.1kg	1.8kg	5*30
400深600高	630A/3P	5.1kg	3.35kg	1.7kg	8*30

- 5、该柜型抽出式功能单元除了具有常规功能外，还可增加通讯插件以实现通讯功能；
- 5. With conventional functions of the withdrawable units, communication plug-ins can be added to realize communication functions;

手拉抽屉配件 Hand-pull Drawer Accessories



DLS8.111 带按钮拉手
Handle with button



DLS8.10003 右拉手
Right Handle



DMS3.36 带拉手门锁
Door lock with handle



DSB8-004 开关手柄
Switch handle



单极动插件
Single Pole
moving connectors



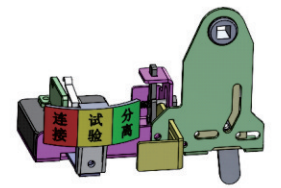
单极互感器动插件
Single pole moving
connectors
with transformer



静插件
Fixed connector



一次进线罩
Primary
connector Cover



单元抽屉手拉机构
Hand pull
operating mechanism

手摇式机构抽屉

Hand-Cranked Type Operating Mechanism Drawer ●●●



- 1、抽屉额定电流：80A、125A、160A、250A、400A、630A。3P和4P方案齐全。
- Drawer rated current: 80A,125A,160A,250A,400A,630A; with Complete 3P and 4P solutions.
- 2、手摇式抽屉使用DJG-7操作机构，配置全新的抽屉一次接插件（可选自带互感器插件）、二次接插件（最高可配置20对40线）、抽屉拉手、操作手柄、带拉手门锁；抽屉全金属侧板可拆卸、双折弯边、定位卡槽、铆钉铆接后折弯
- 2.The hand-cranked drawer is with DJG-7 operating mechanism, equipped with drawer primary connector (with transformer conenctors), secondary connector (up to 20 pairs of 40 wires), drawer handle, operating handle, and door lock with handle; Drawer all-metal side panels are removable, with double-bent edges, positioning slots, rivets riveted and bent, and wire binding holes
- 3、抽屉后板折弯采用后翻边，增大了抽屉引排和后板之间电气间隙，设置一定数量的二次绑线孔，确保抽屉布线一致性，新型直插式二次插件的使用，使用户接线效率大大提高，降低生产成本；
- 3.The drawer back panel is bent with rear flange, which increases the electrical gap between the drawer lead and the back panel. A certain number of secondary wire binding holes are set to ensure the consistency of drawer wiring.With the direct plug-in secondary connectors,greatly improves the user's wiring efficiency and reduces production costs.
- 4、抽出式功能单元规格齐全，一次插件采用分体式插件，能与市场上所有开关相间距匹配，出线侧插件集成互感器模块，极大的减少抽屉空间的占用，同时节省大量的连接铜排，降低铜排加工成本；该方案能满足不同模数高度的抽屉需求，具有8E/4、6E/2、8E/2、6E、8E、12E、16E、24E等不同规格的抽屉；
- 4.Complete specifications of the withdrawable functional unit, primary connectors in split connector, which can match the pole distance of all switches. The outgoing side connectors integrates the transformer module, which greatly reduces the drawer space . while saving a large number of connecting copper bars and reducing the copper bar processing cost; This solution can meet the drawer requirements of different module heights, with different drawers specifications such as 8E/4, 6E/2, 8E/2, 6E, 8E, 12E, 16E, 24E, etc.

手摇式机构抽屉 Hand-Cranked Type Operating Mechanism Drawer

- 连接铜排成本低 Connecting copper busbars costs is lower
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400X200	125A/3P	0.9kg	0.31kg	0.6kg	2.5*15
400X200	250A/3P	1.13kg	0.5kg	0.6kg	3*20
400X400	400A/3P	3.9kg	2.1kg	1.8kg	5*30
400X600	630A/3P	5.1kg	3.35kg	1.7kg	8*30

- 该柜型抽出式功能单元除了具有常规功能外，还可增加通讯插件以实现通讯功能；手拉式抽屉与手摇式抽屉方案灵活选用；手动操作与电动操作方案齐全，解锁机构及试验、工作位置都可安装辅助接点配合电气联动，抽屉钣金件在设计时充分考虑到二次走线的方便及尖角、折边的处理，防止划伤操作者。
- With coventional fuctions of the withdrawable units, communication plug-ins can be added to realize communication functions; Hand-pull drawers and hand-crank drawers can be flexibly selected; manual operation and motor operation options are complete, and auxiliary contacts can be installed in the unlocking mechanism and test and working positions to cooperate with electrical linkage. The design of drawer sheet metal parts fully considers the convenience of secondary wiring and the treatment of sharp corners and folded edges to prevent scratches on operators.

• 新款手摇抽屉配件 New type Hand-cranked Drawer Accessories



DLS8.10003 右拉手
Right Handle



DJG-7手摇机构
Hand-cranked
Operating mechanism



DMS3.36 带拉手门锁
Door lock with handle



DSB8-004 开关长手柄
Switch handle



单极动插件
Single Pole
moving connectors



单极互感器动插件
Single pole moving
connectors with transformer



静插件
Fixed connector



一次进线罩
Primary
connector Cover

主要技术参数 Main technical parameters

额定电压 Rated voltage	• 额定绝缘电压 U_i Rated insulation voltage	1000v	
	• 额定工作电压 U_e Rated operating voltage	400v/690v	
	• 额定脉冲耐受电压 U_{imp} Rated pulse withstand voltage	12kv	
	• 过电压等级 Overvoltage class	IV	
	• 污染等级 Pollution levels	3	
	• 额定频率 F Rated frequency	至60HZ	
额定电流 Rated current	主母线 Main busbar	• 额定电流 I_e Rated current	$\leq 6300A$
		• 额定峰值耐受电流 I_{pk} Rated peak withstand current	$\leq 220kA$
		• 额定短时耐受电流 $I_{cw}/1S$ Rated short withstand current	$\leq 110kA$
	抽屉单元 Drawer unit	• 8E/2	$\leq 125A$
		• 8E、12E	$\leq 250A$
		• 16E	$\leq 400A$
		• 20E、24E	$\leq 630A$
	抗故障电弧 Fault arc	• 额定工作电压 Rated operating voltage	400v/690v
		• 预期短路电流 Expected short circuit current	100kA/65kA
		• 持续时间 Duration	300ms

主要性能及结构参数 Main performance and structure parameters

• 防护等级(外壳) Protection class (enclosure)	IP4X
• 防护等级(内部隔室) Protection level (internal compartment)	IP2X
• 内部隔室隔离型式 Internal compartment isolation type	3a/3b/4a
• 型材模数 Profile module	25mm
• 水平母线位置 Horizontal busbar position	上部 Upper Part
• 进线方式 Incoming types	顶部架空进线, 底部进线 Top overhead incoming, Bottom incoming
• 出线方式 Outgoing types	后底部、后顶部、侧底部、侧顶部 Rear bottom, Rear top, Side bottom, Side top

使用条件 Service condition

周围空气温度 Ambient air temperature	• 最高气温 Highest temperature	40℃
	• 最低气温 Lowest temperature	-5℃
	• 最大日温差 Maximum daily temperature difference	25℃
海拔 Altitude		$\leq 2000m$
污秽等级 Pollution class		III
湿度 Humidity	• 日相对湿度平均值 (最高温度 $\leq 40^\circ C$) Average daily relative humidity (maximum temperature $< 40^\circ C$)	$\leq 50\%$
	• 在较低温度时允许有较高的相对湿度 (当环境温度 $20^\circ C$ 时可达90%) Higher relative temperatures are allowed at lower temperatures (up to 90% at ambient temperature of $20^\circ C$)	
地震烈度 Earthquake intensity		≤ 8 度